

FIGURE 1
(PRIOR ART)

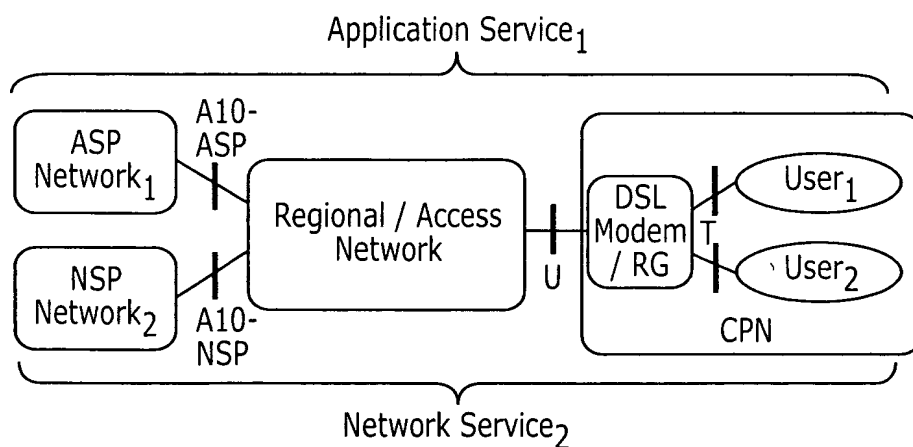


FIGURE 2
(PRIOR ART)

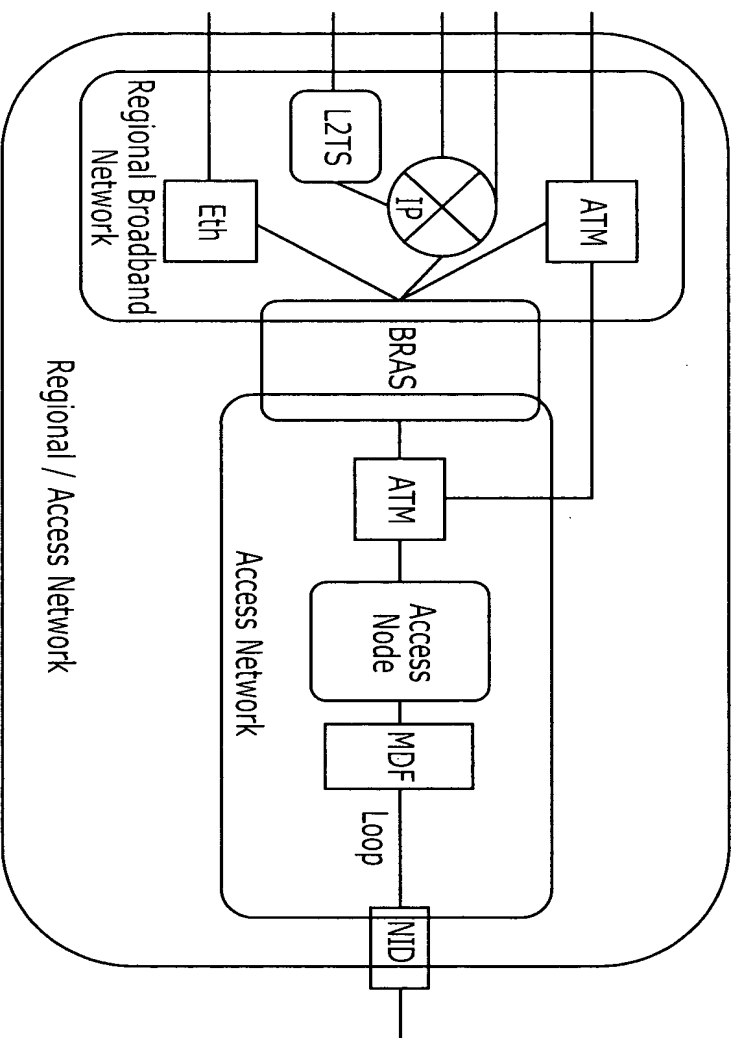


FIGURE 3
(PRIOR ART)

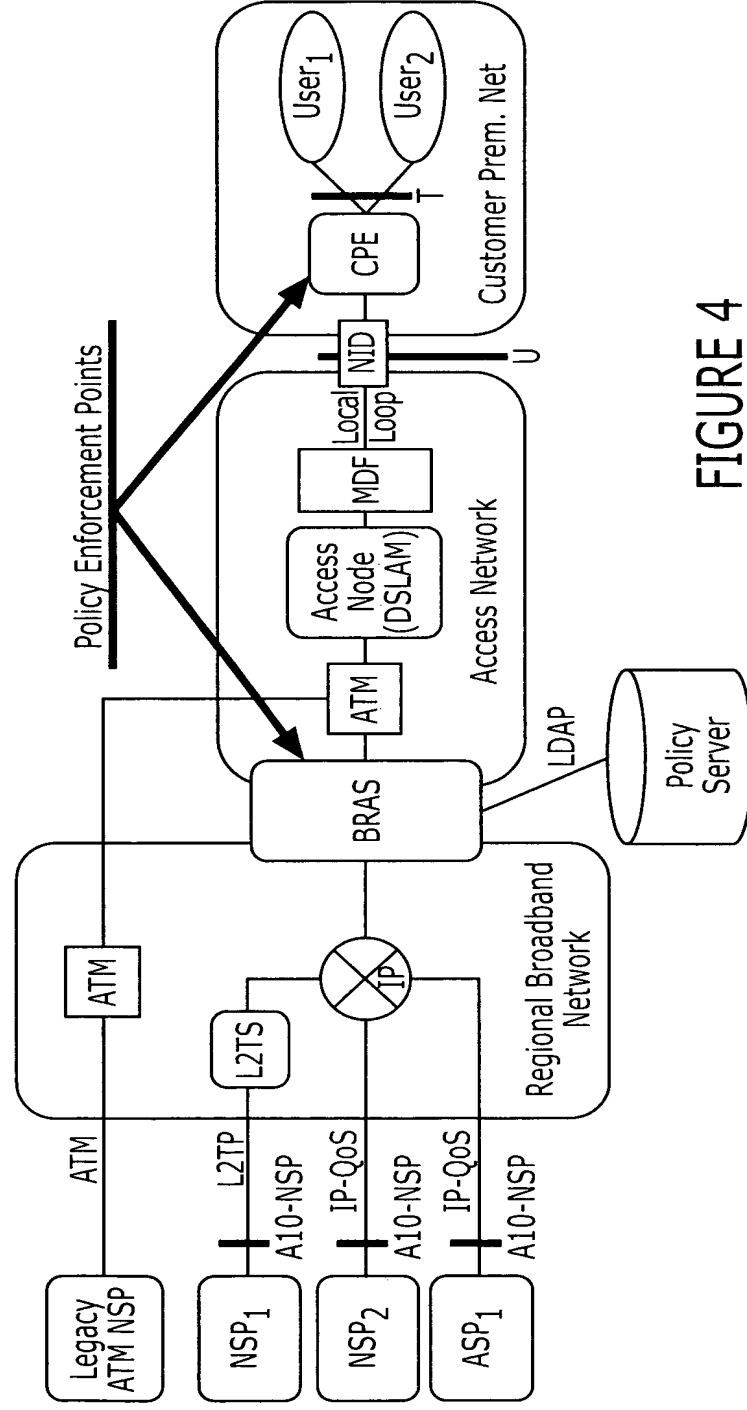


FIGURE 4
(PRIOR ART)

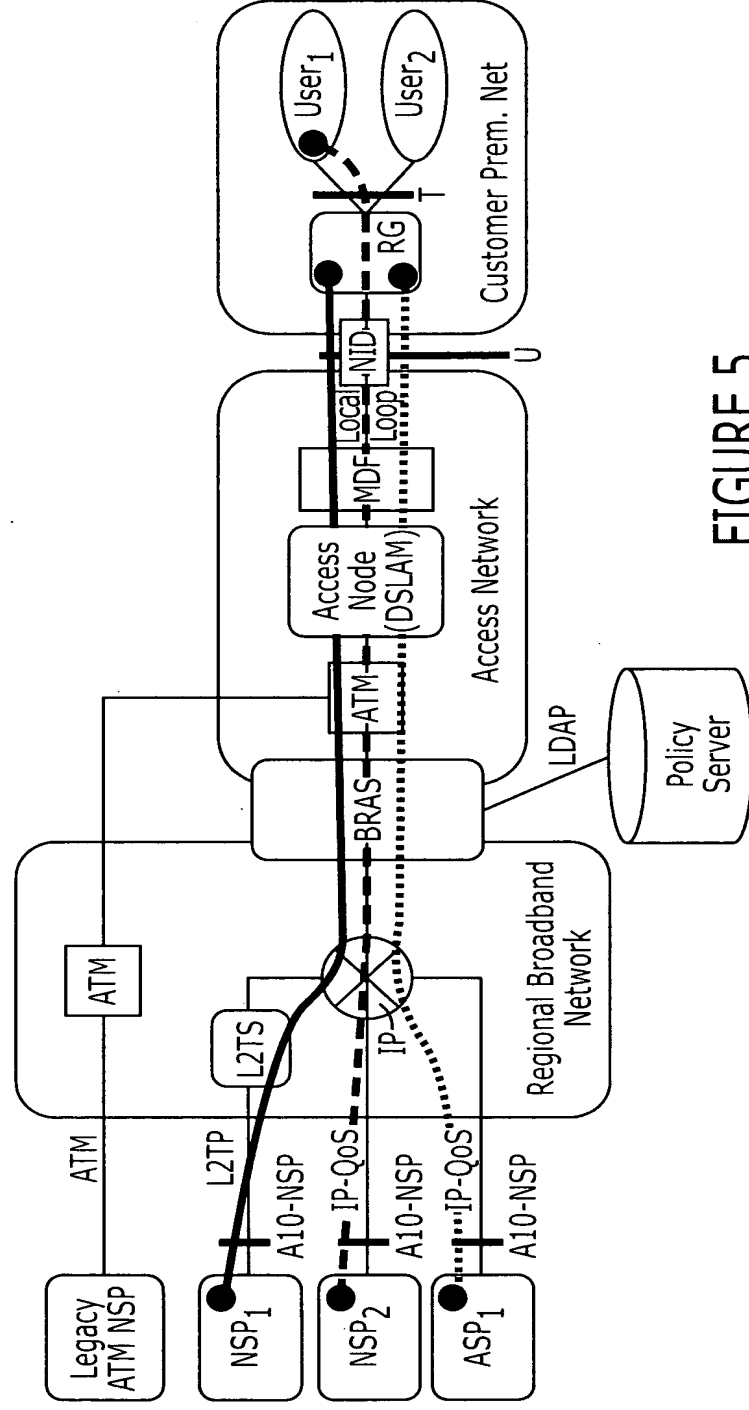


FIGURE 5

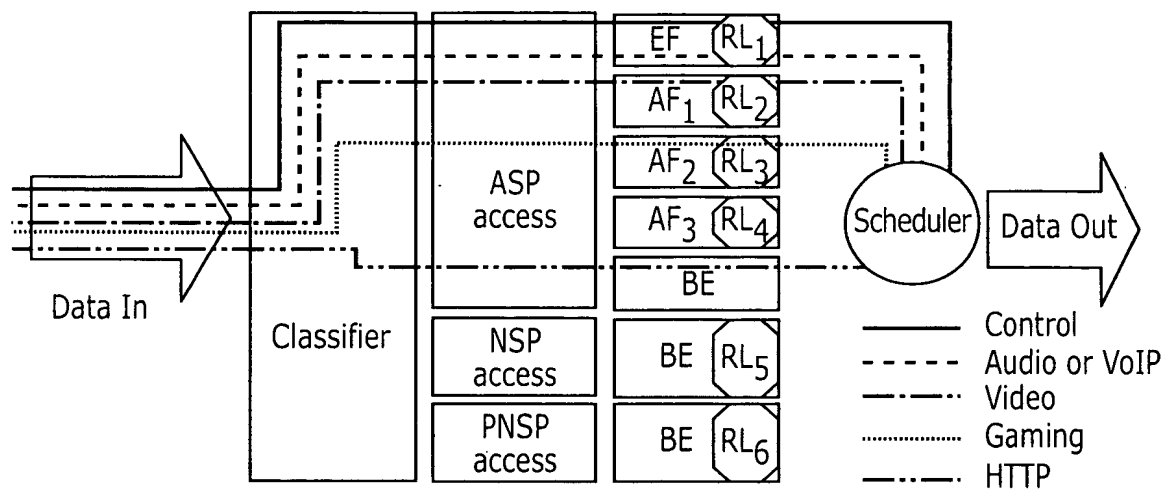


FIGURE 6

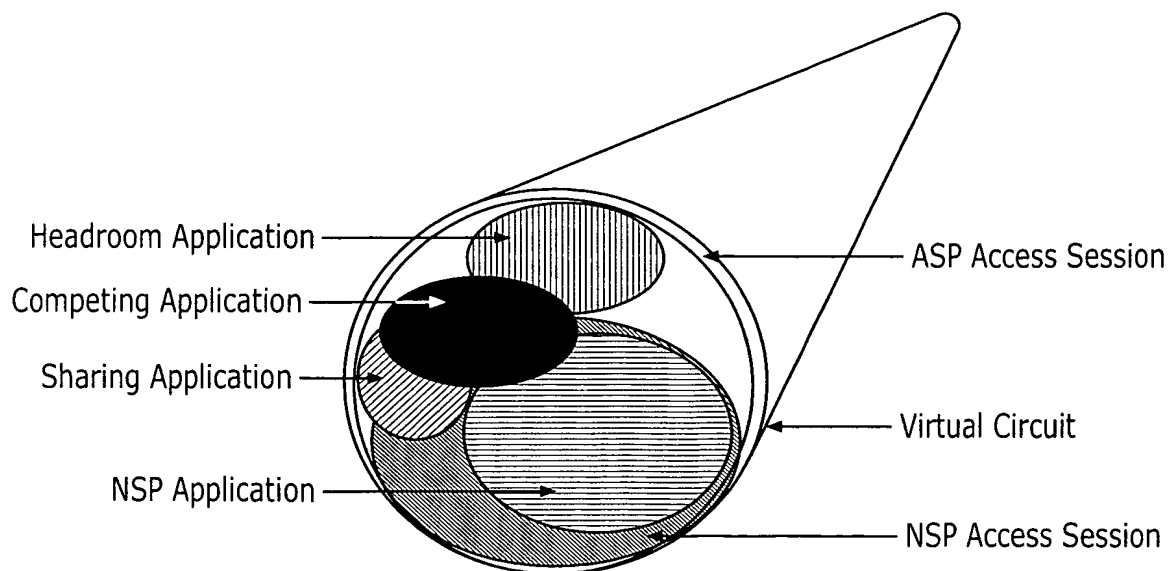
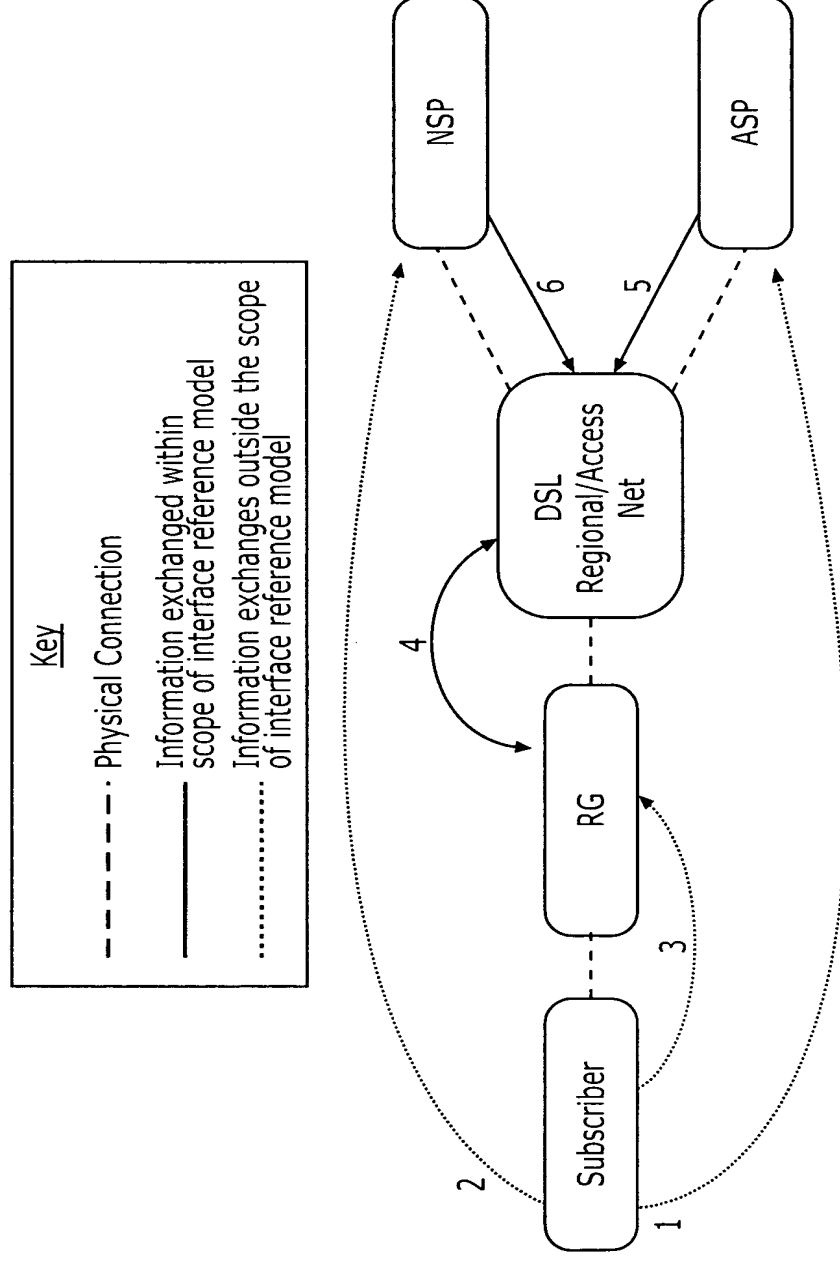
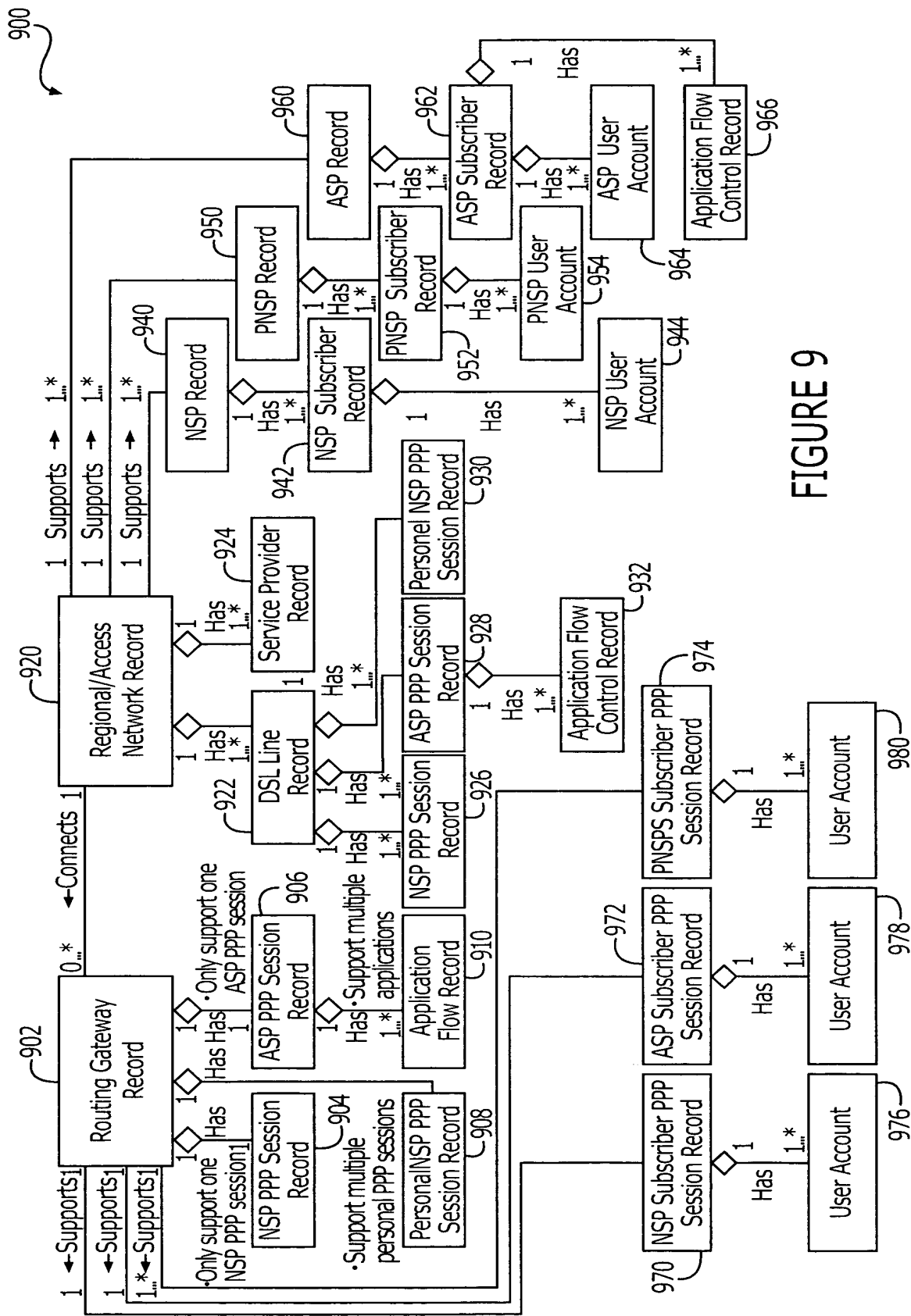


FIGURE 7



- 1,2: The subscriber exchanges information with the A/NSP when signing up for a service
- 3: The subscriber configures the RG. This may only be for the initial install. The ACS located within the Regional/Access Network may handle all subsequent conf changes
- 4: The RG initiates access sessions that are terminated in the DSL network. The ACS communicates with the RG for the configuration updates.
- 5,6: The NSP communicates with the DSL network to establish a DSL connection. The ASP and NSP also communicate bandwidth and QoS changes per session or application.

FIGURE 8



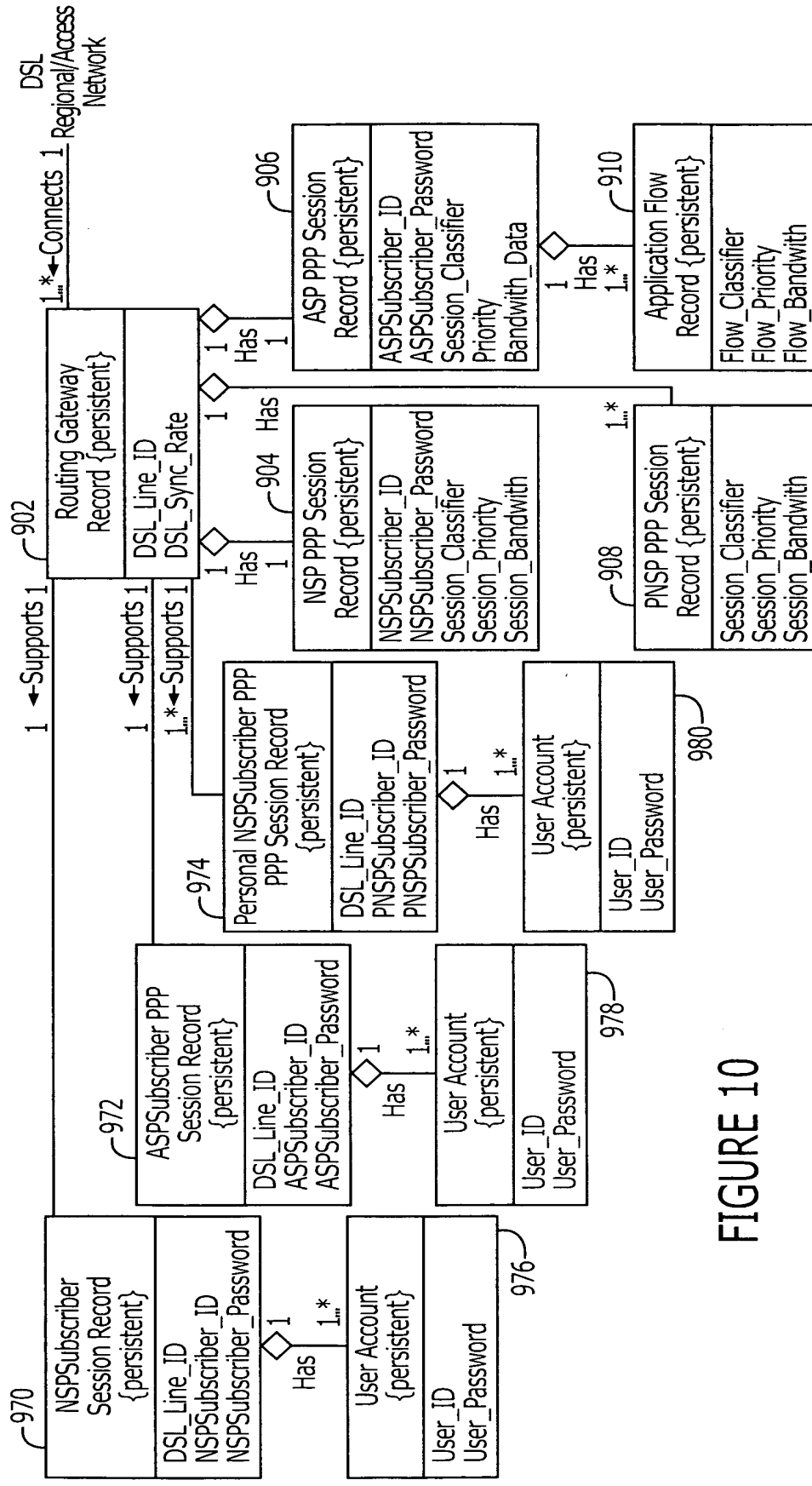


FIGURE 10

FIGURE 11A

FIGURE 11B

FIGURE 11

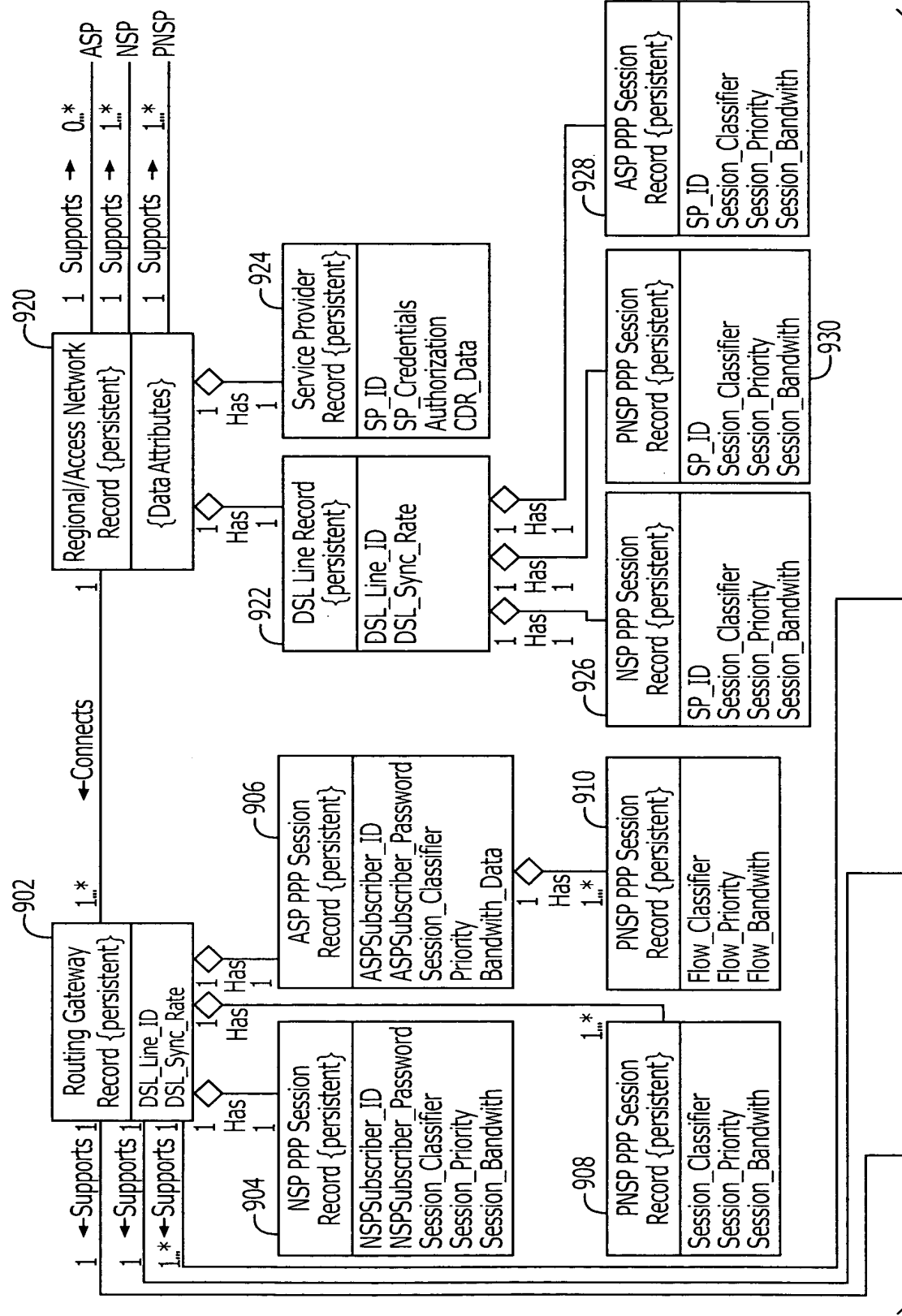


FIGURE 11B

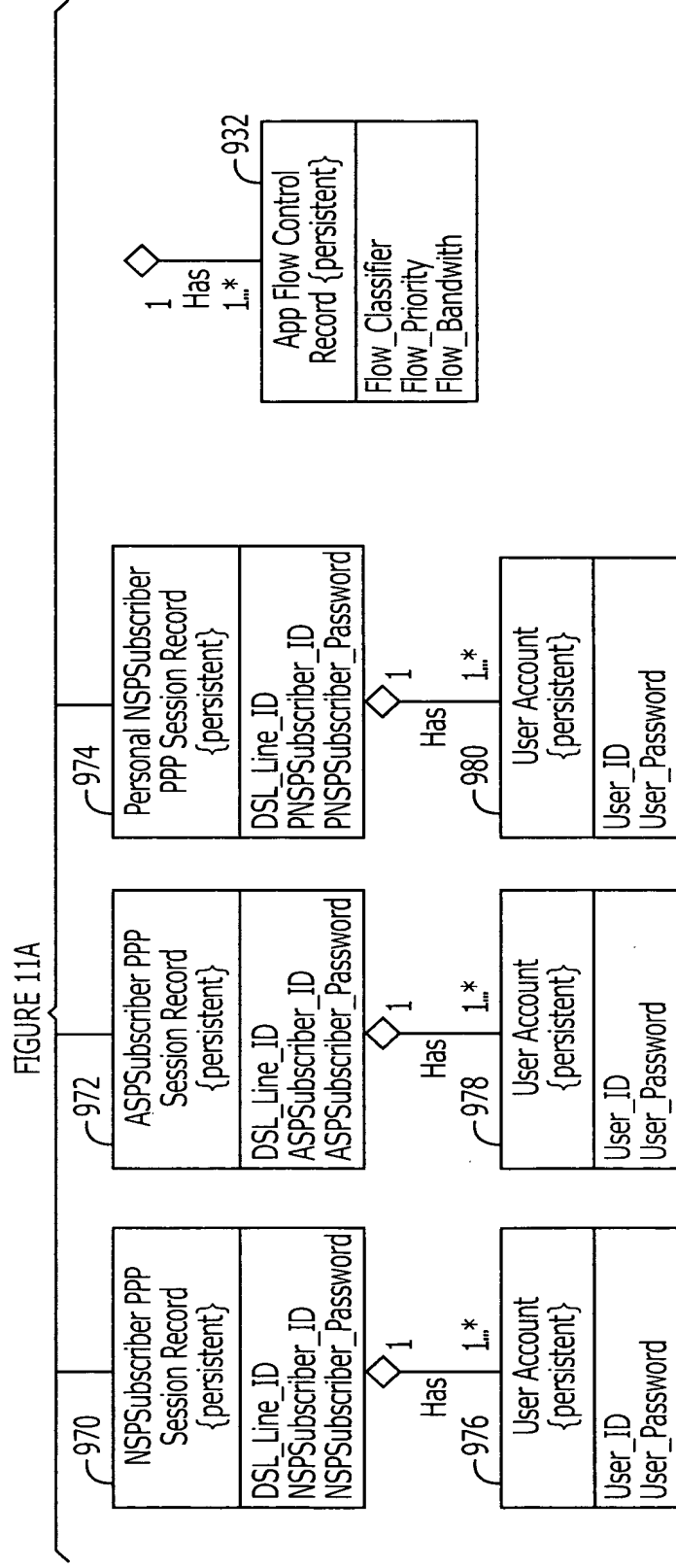


FIGURE 11B

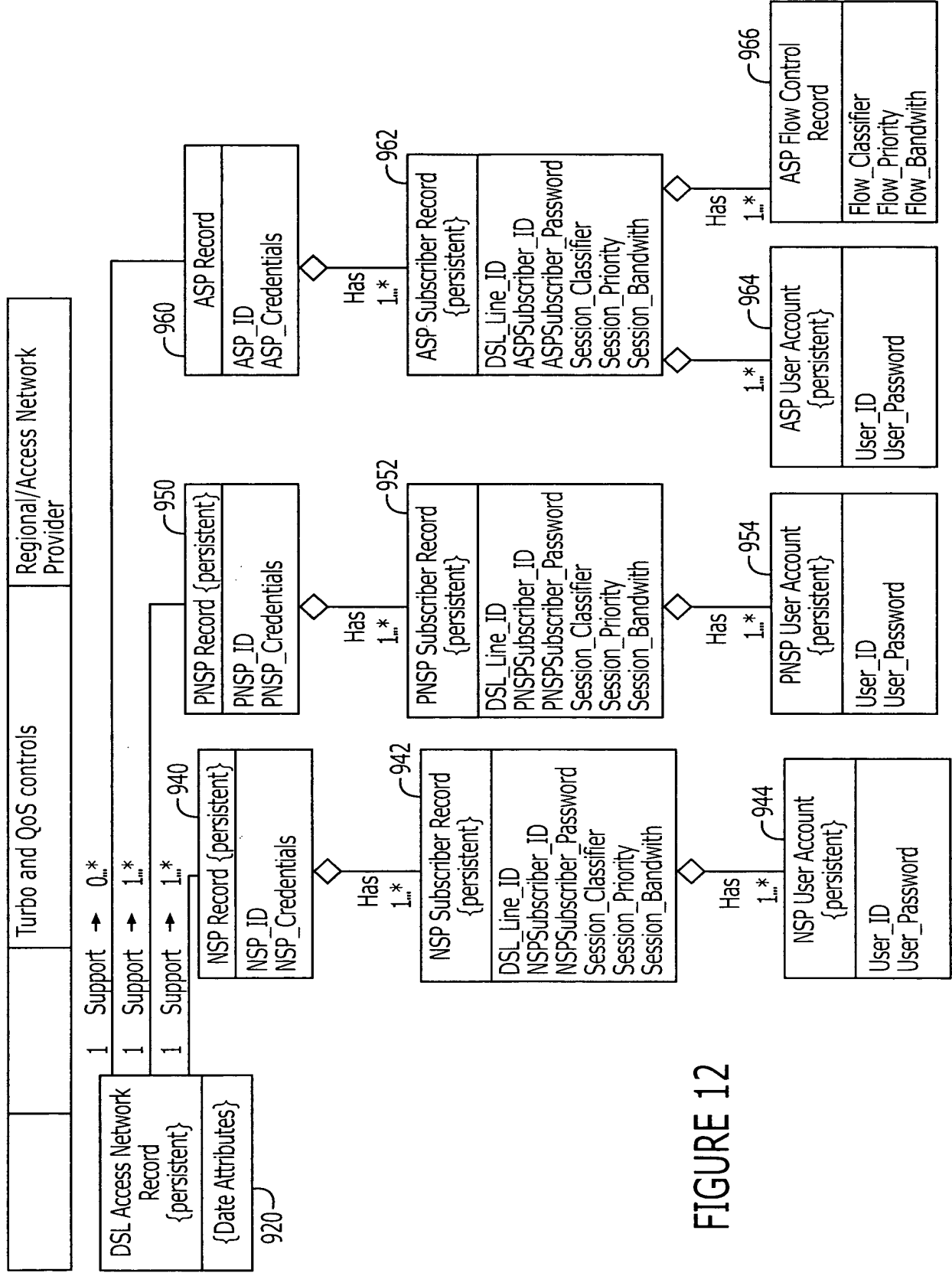


FIGURE 12

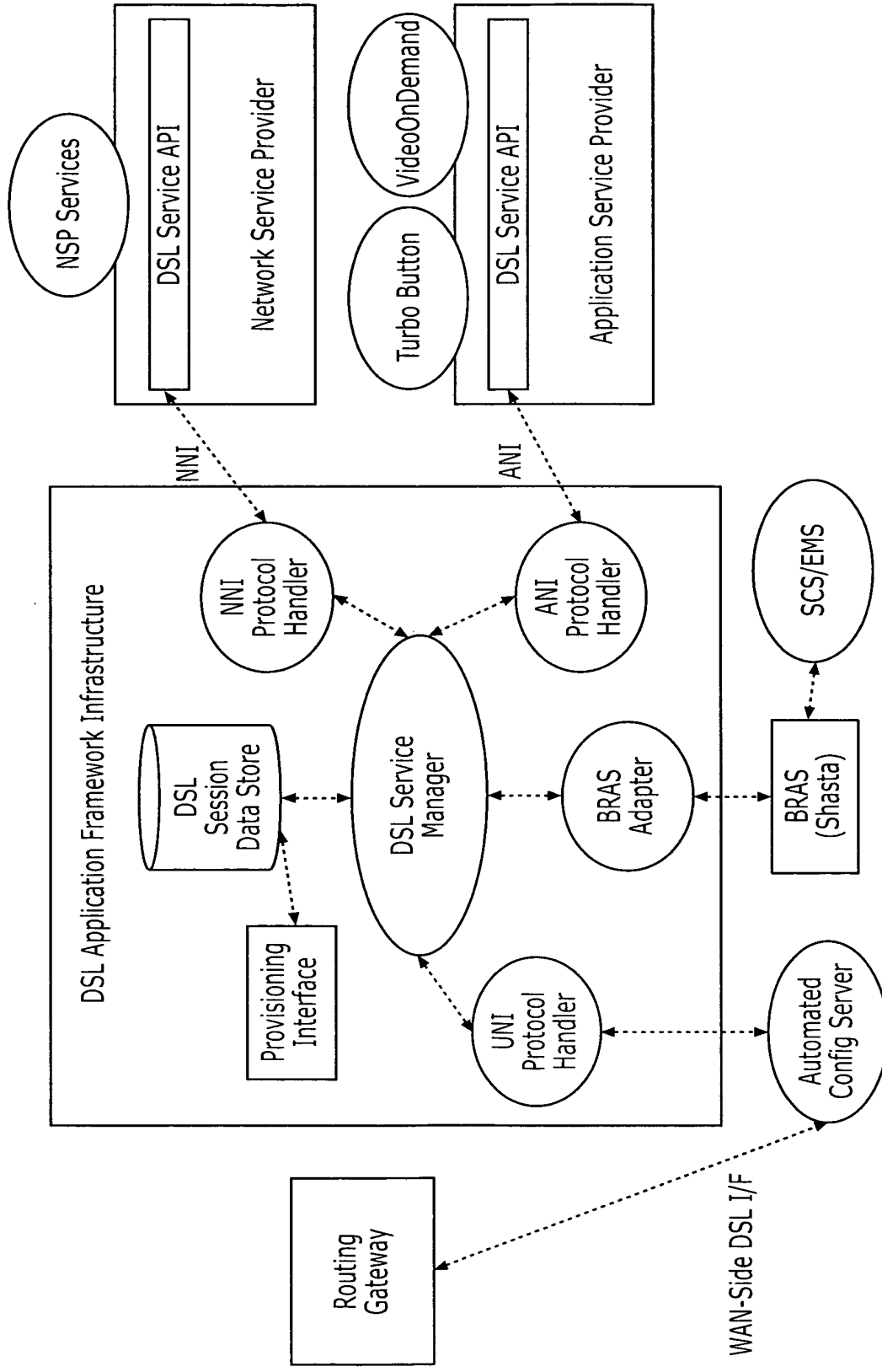


FIGURE 13

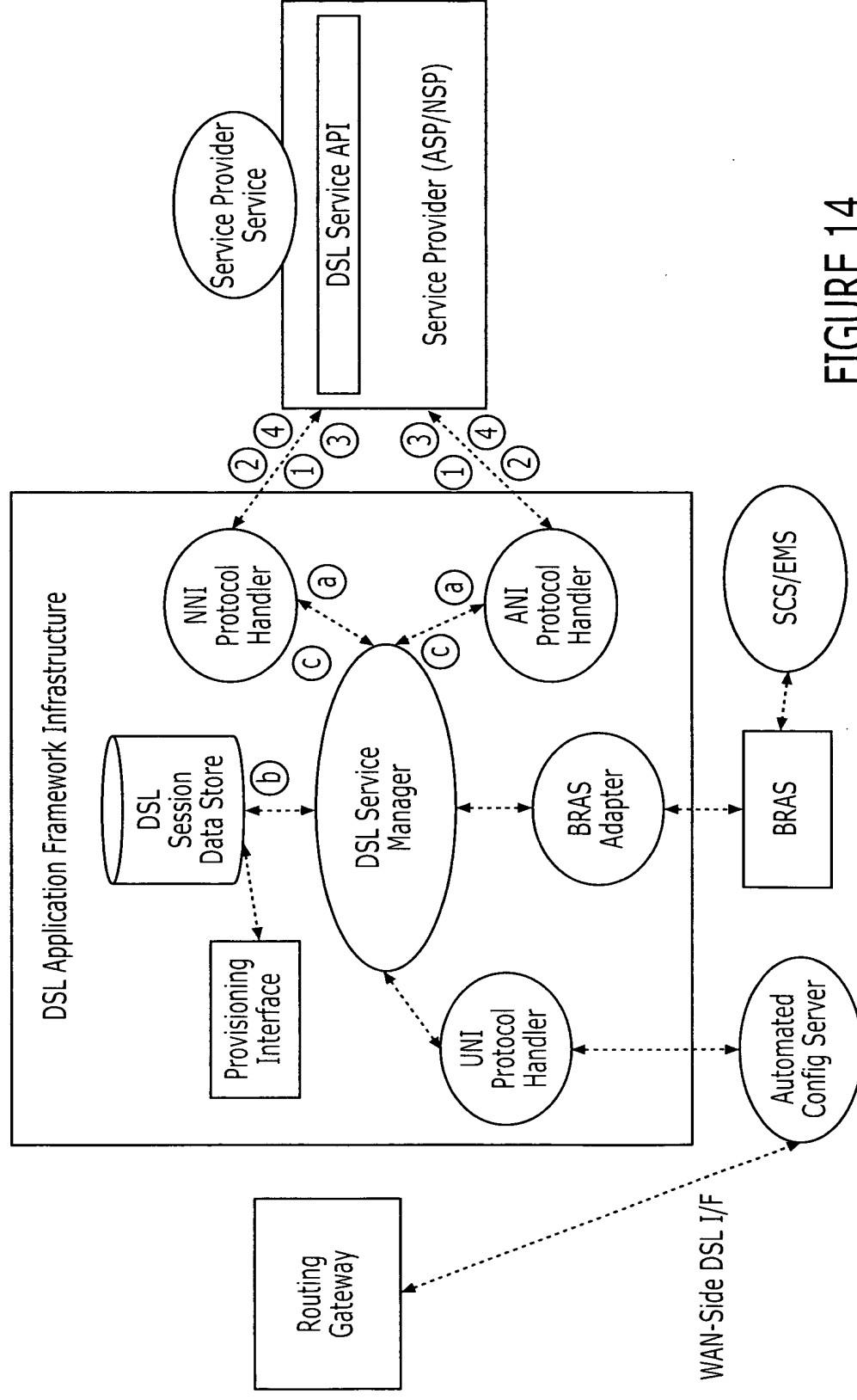


FIGURE 14

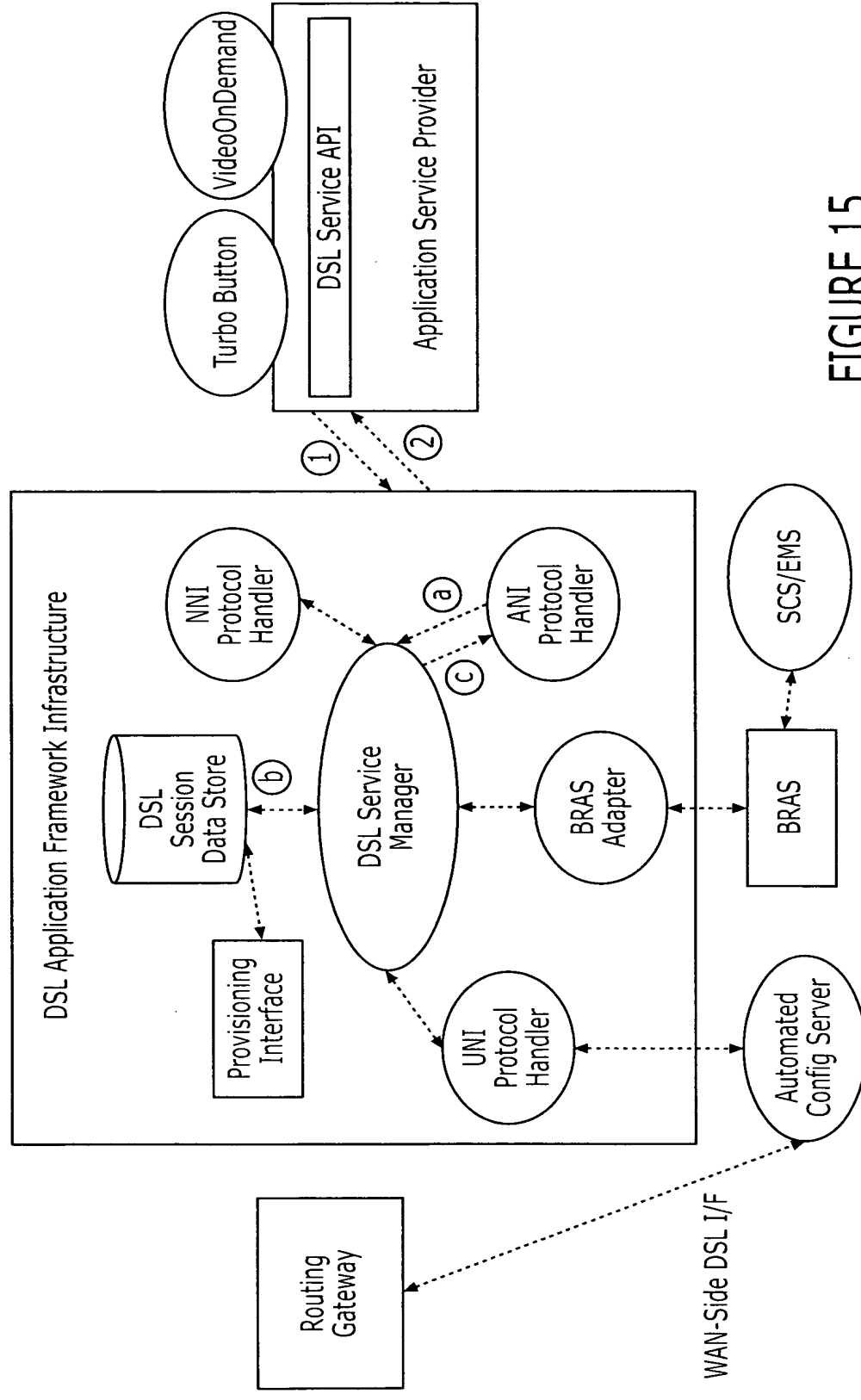


FIGURE 15

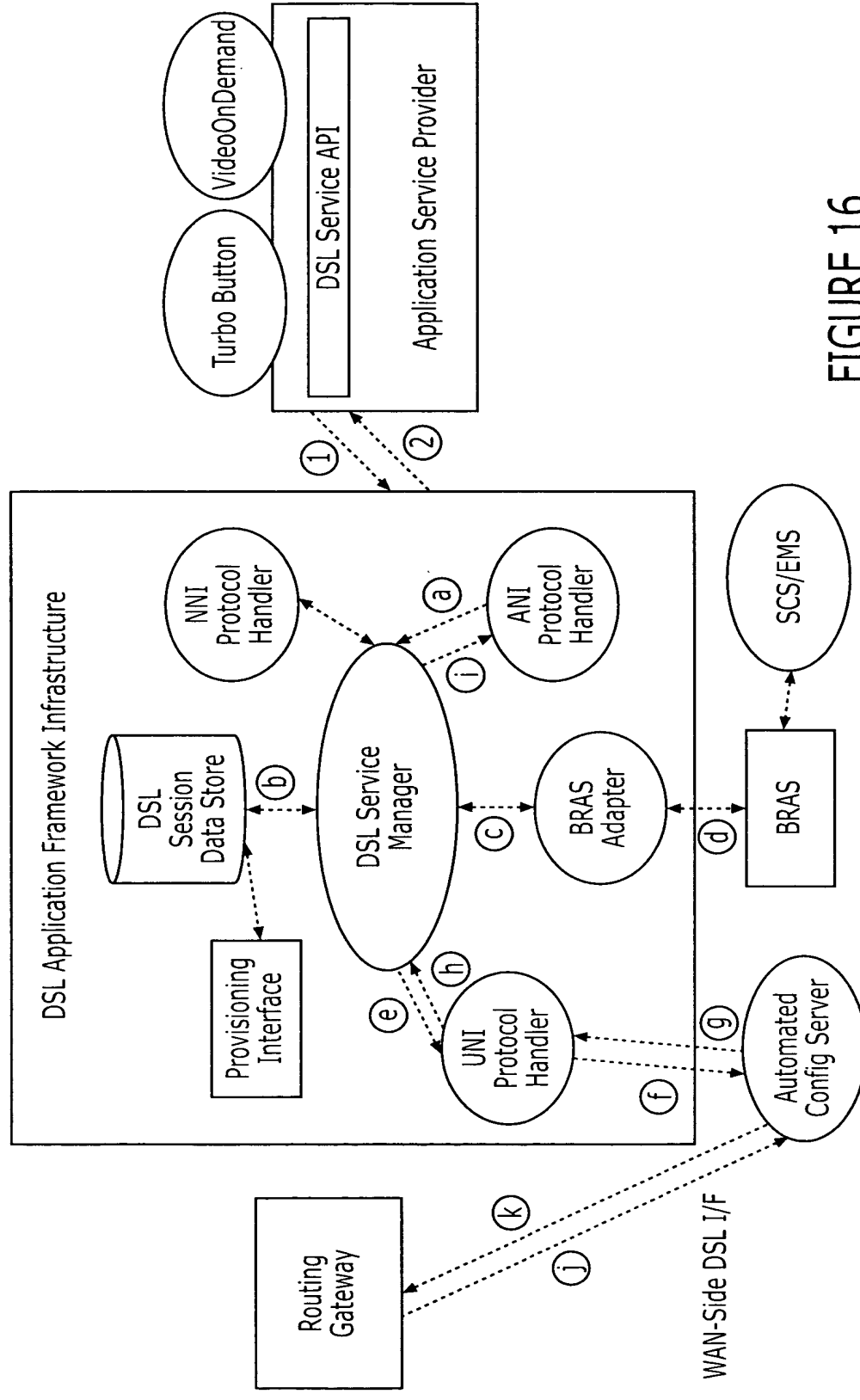


FIGURE 16

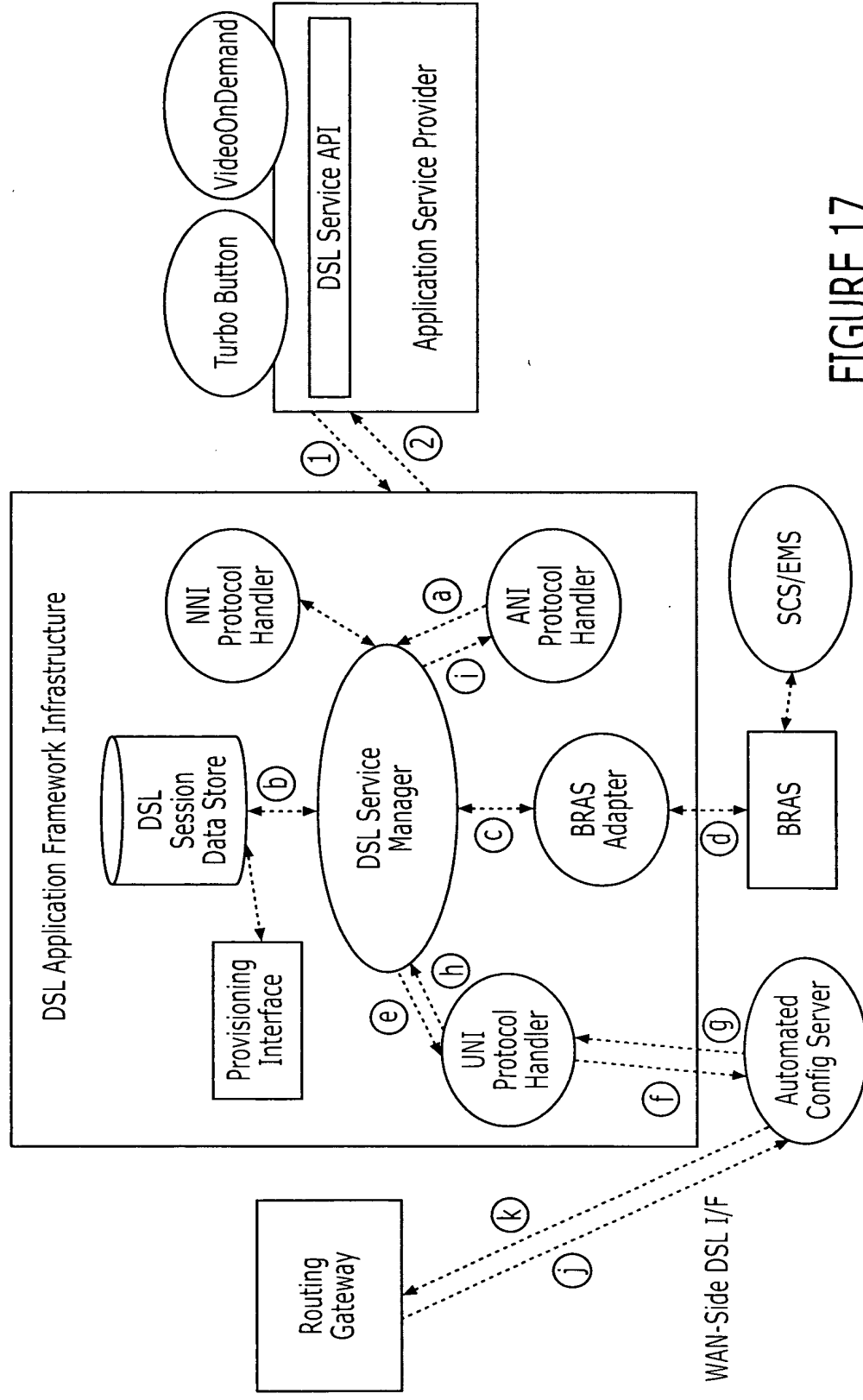


FIGURE 17

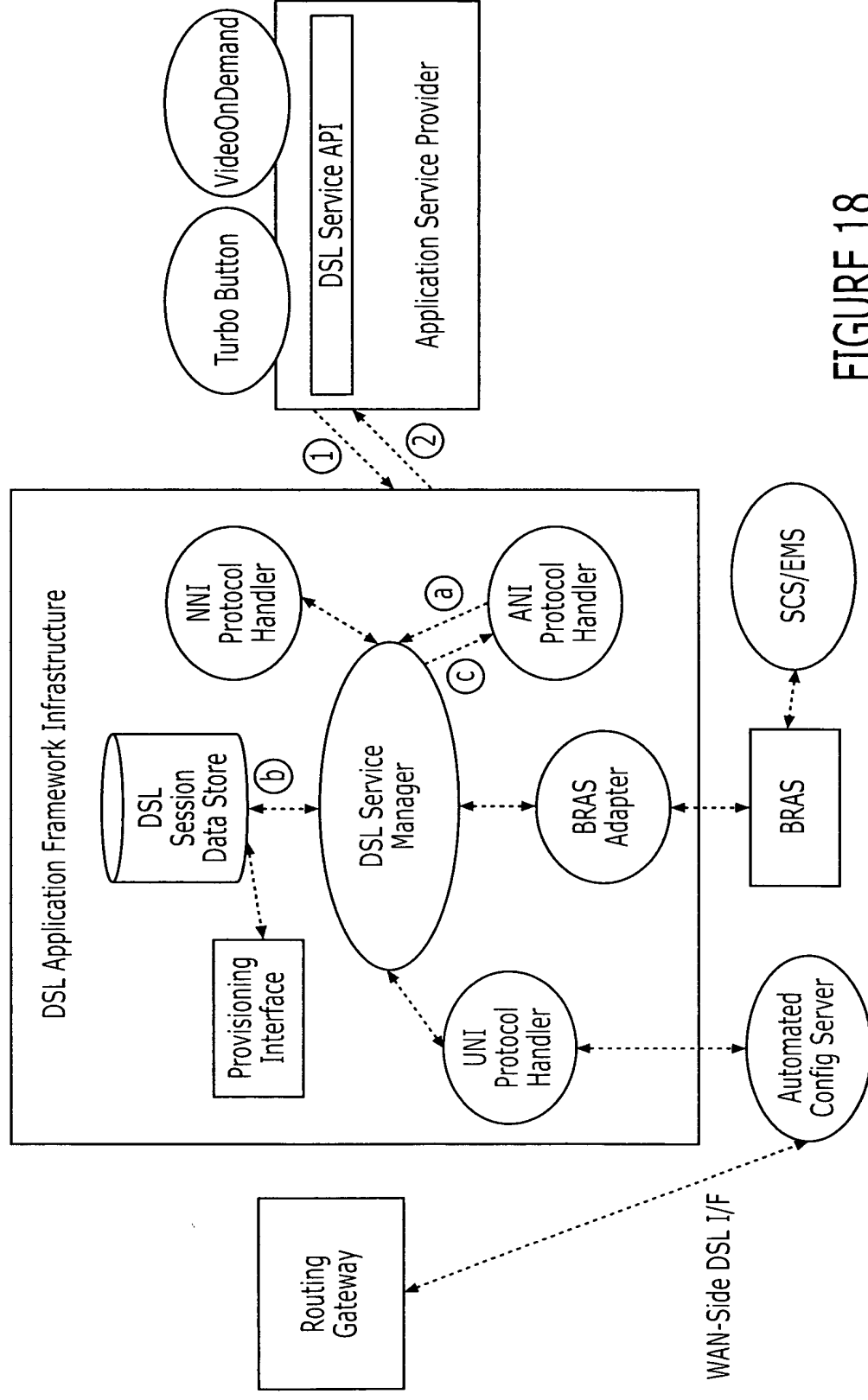


FIGURE 18

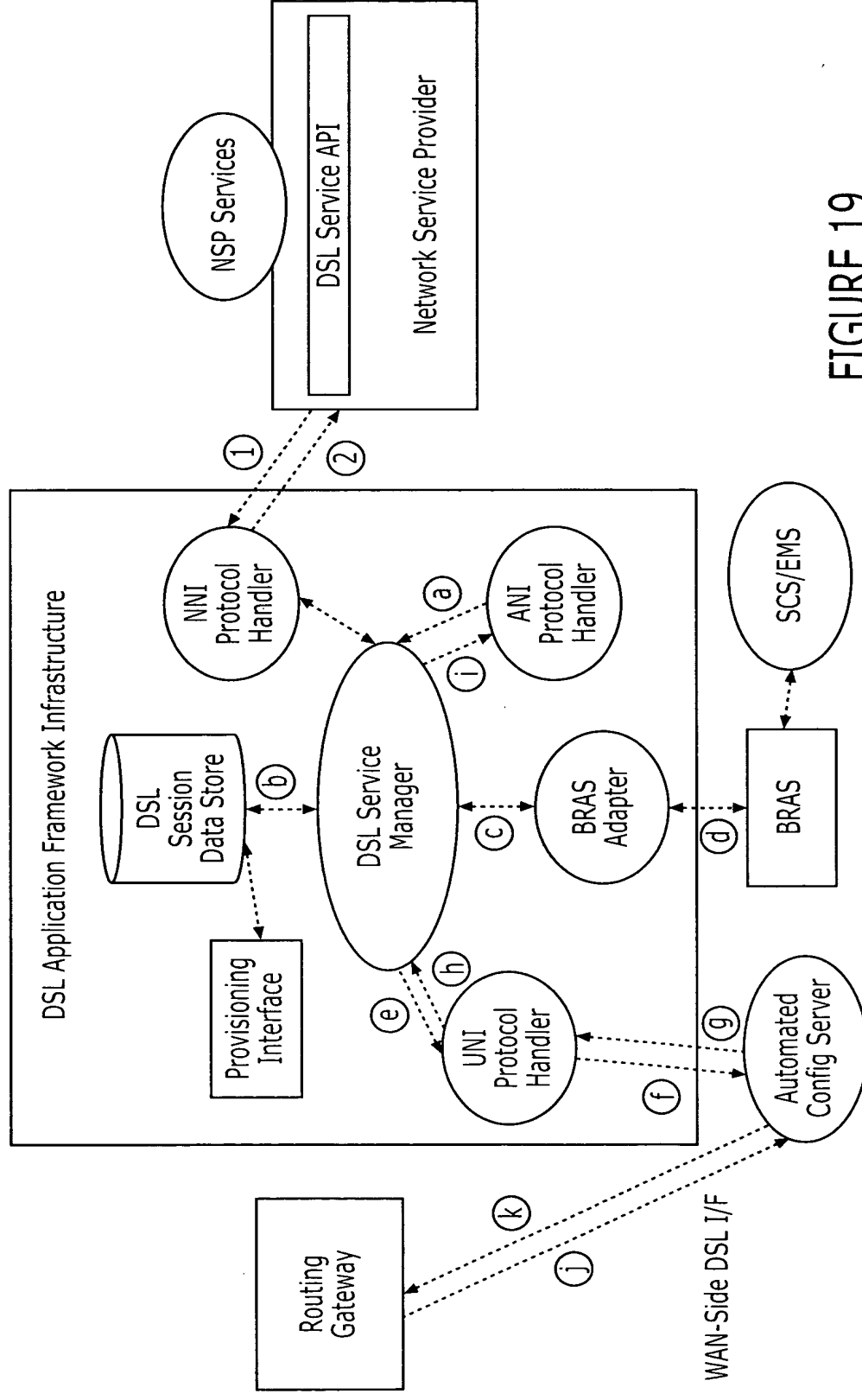


FIGURE 19

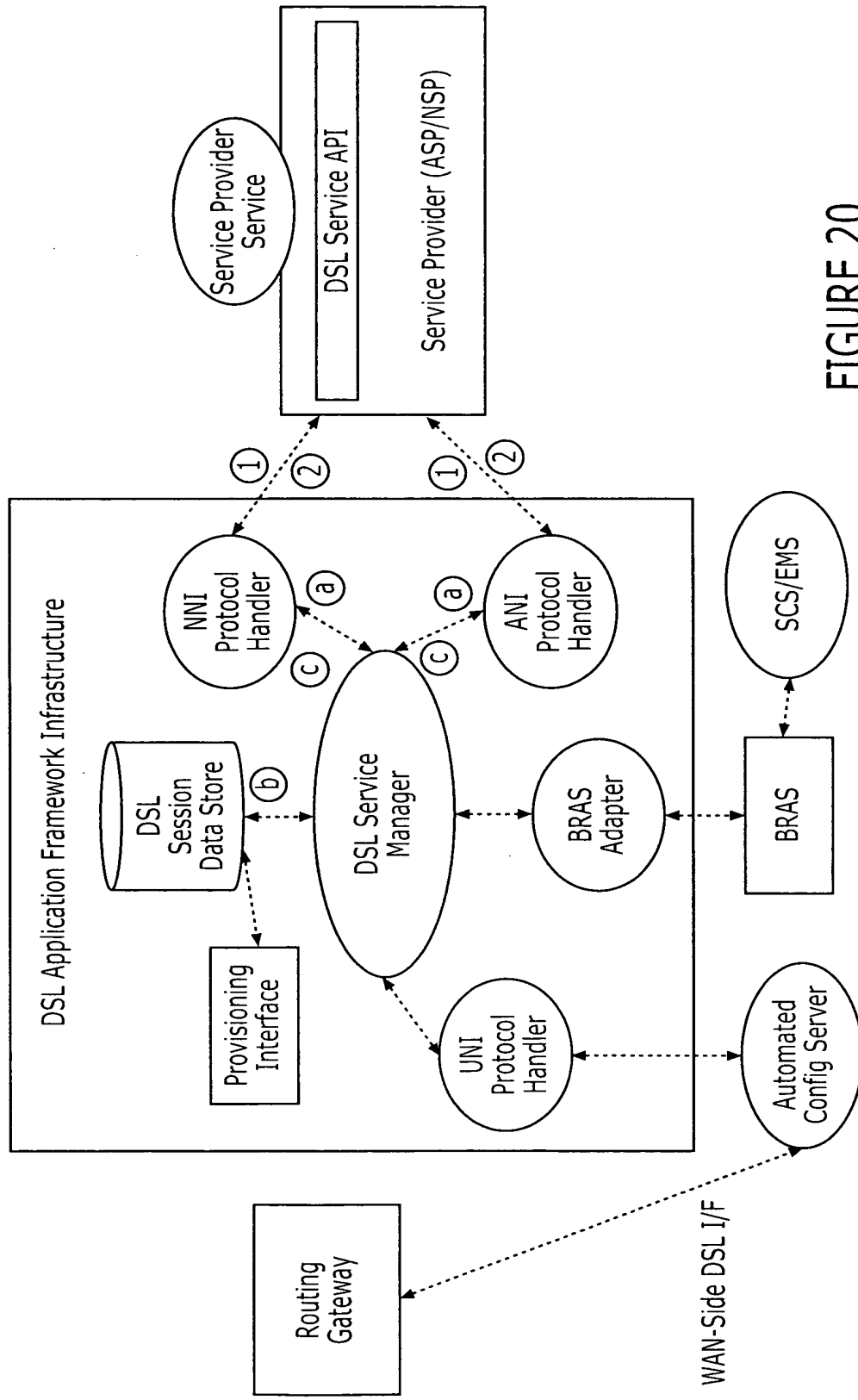


FIGURE 20

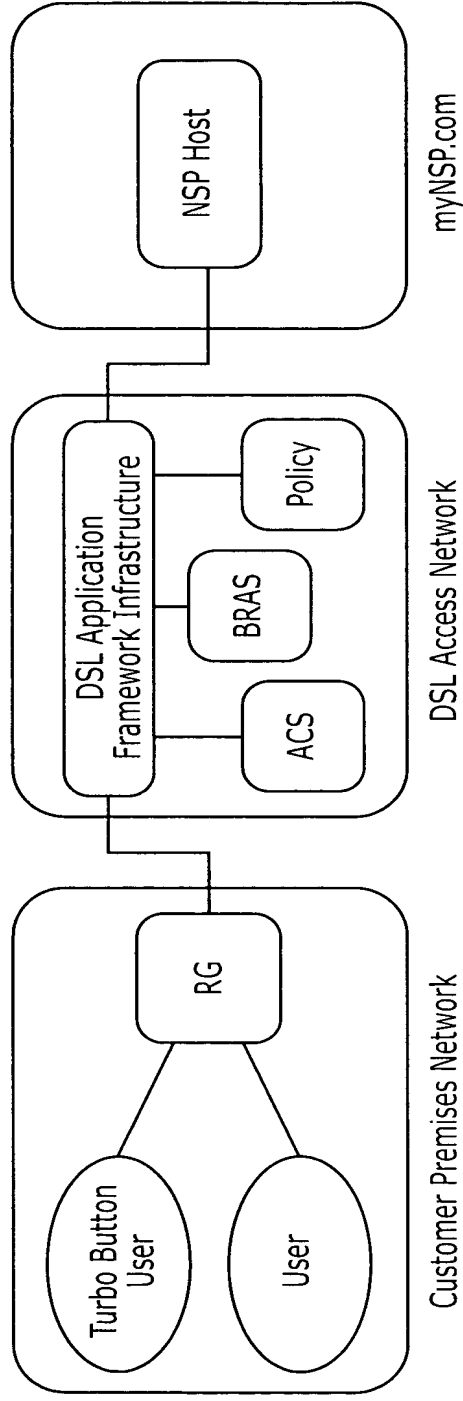


FIGURE 21

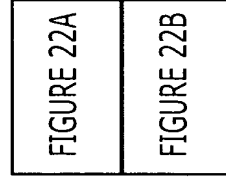


FIGURE 22

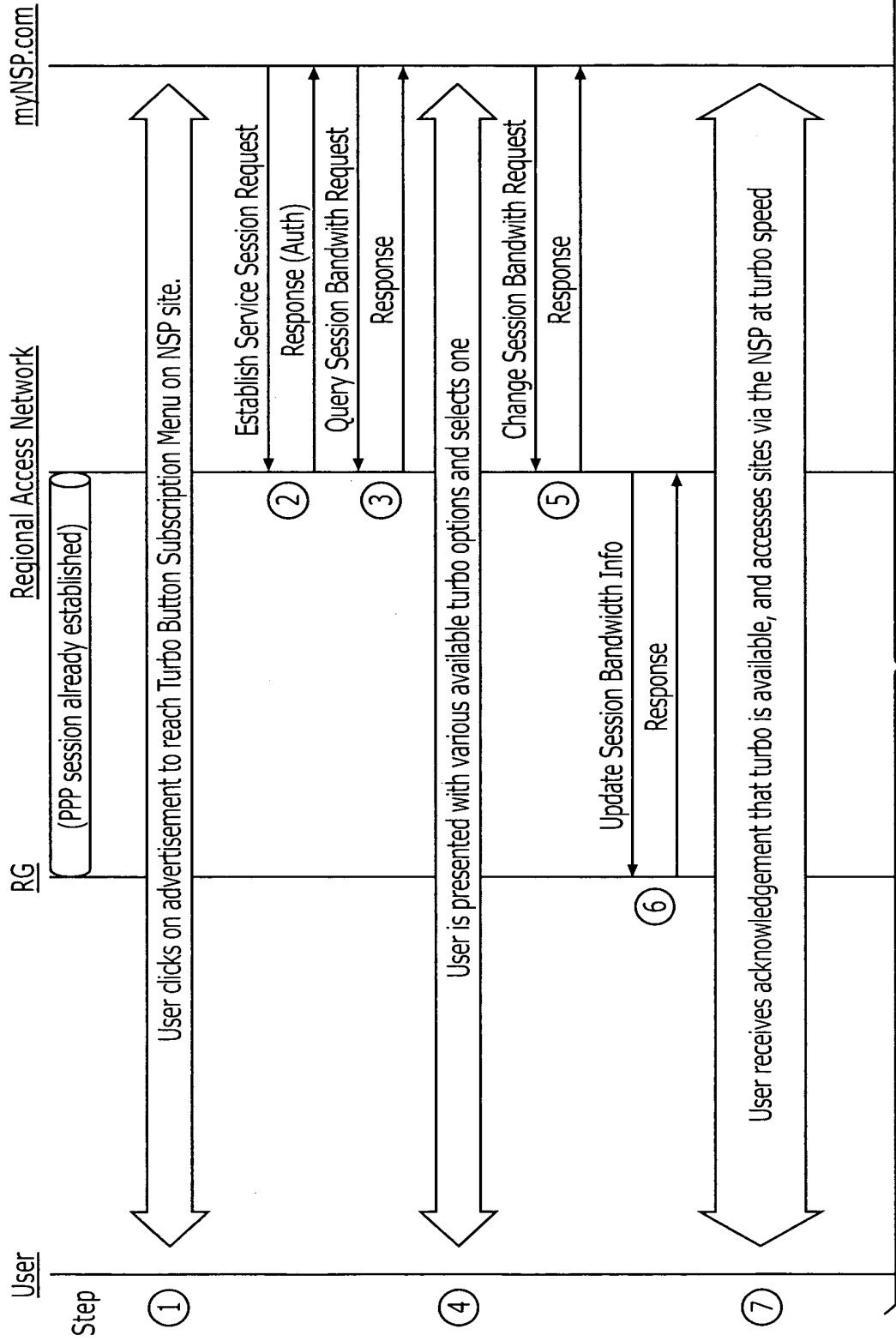


FIGURE 22B

FIGURE 22A

FIGURE 22A

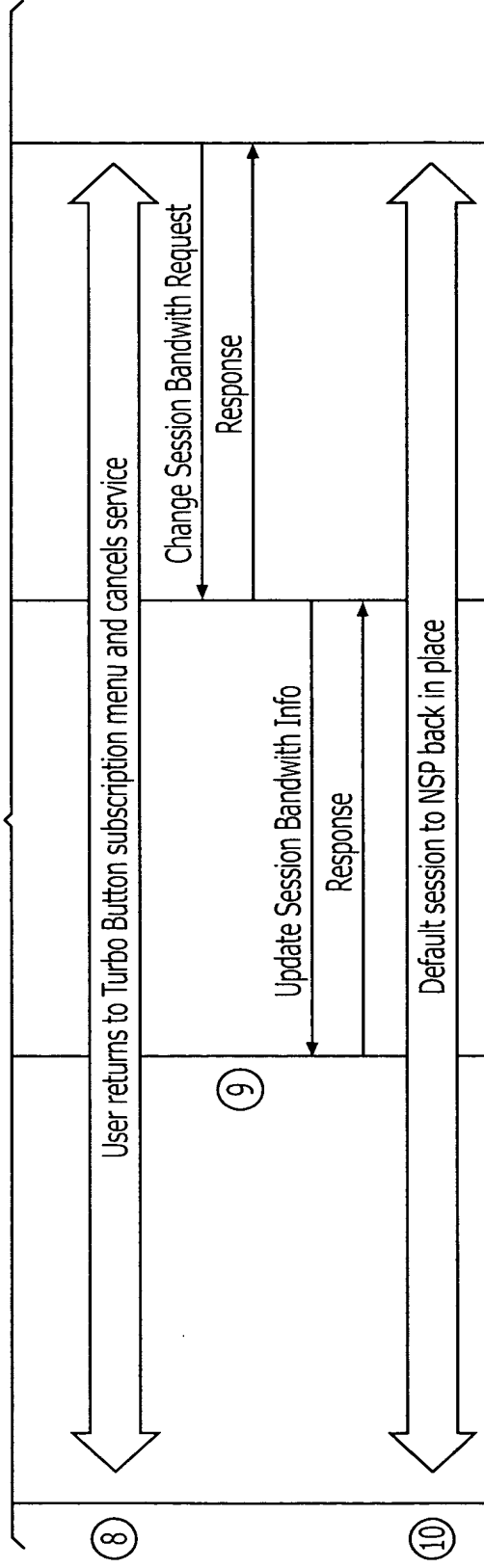
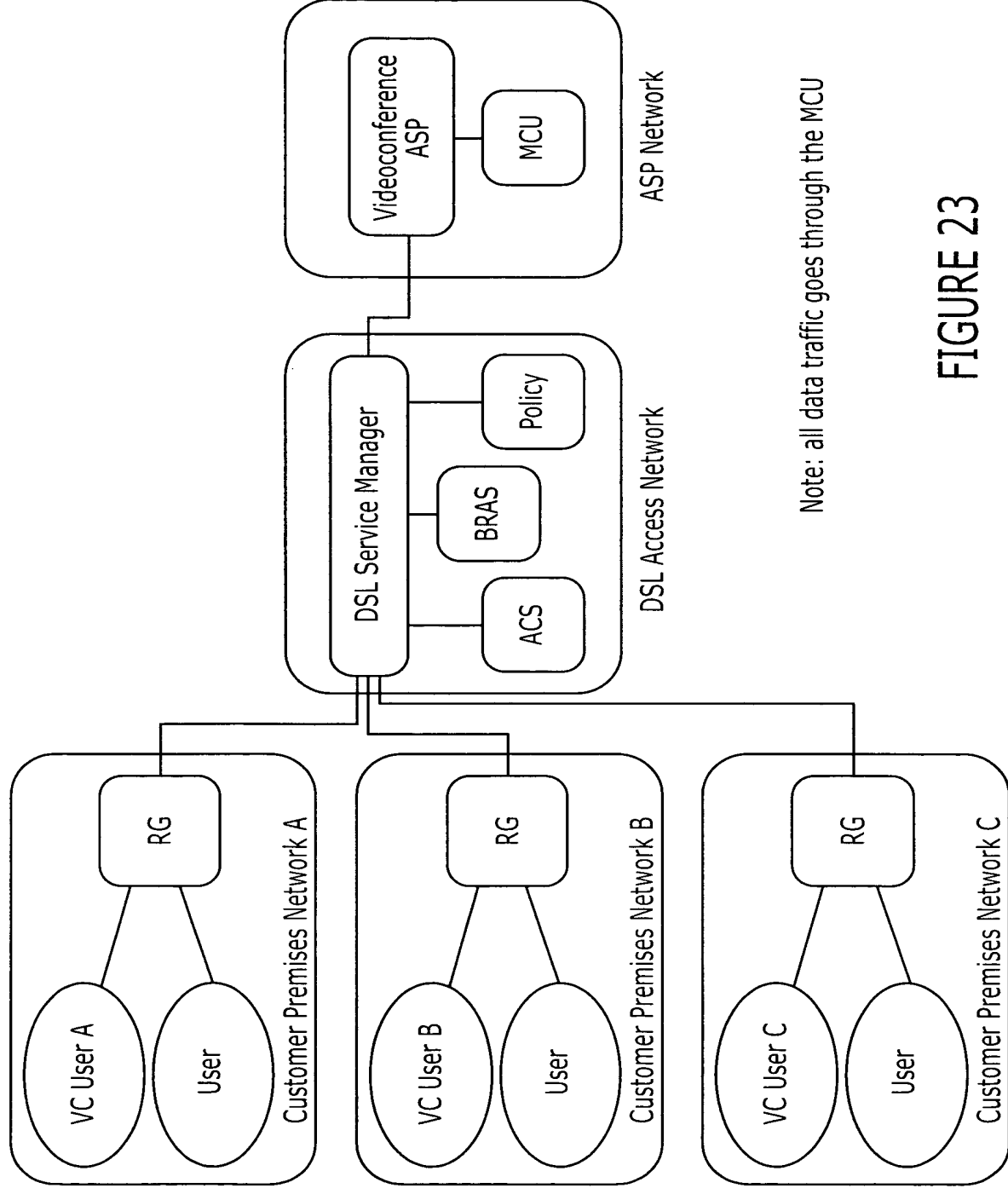
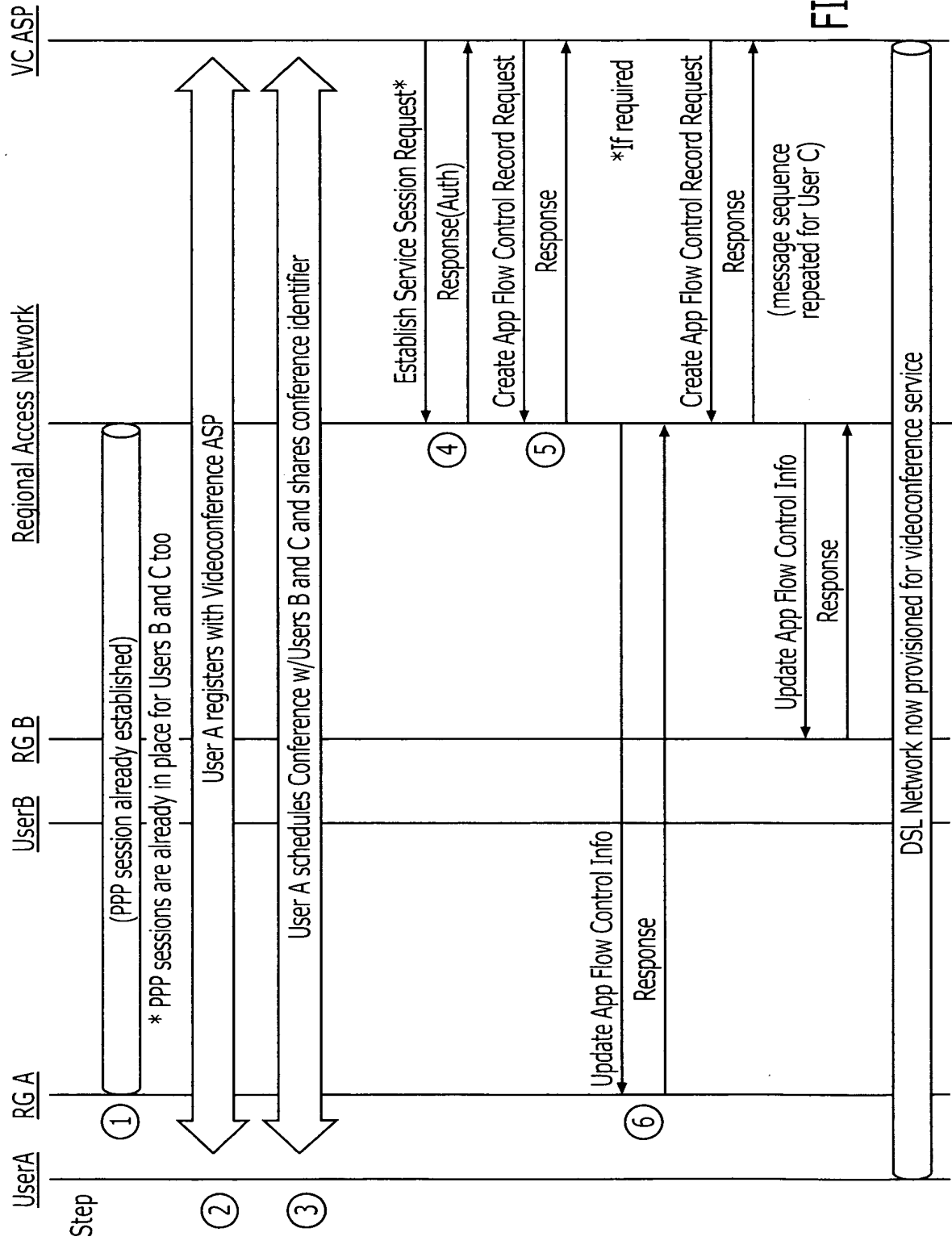


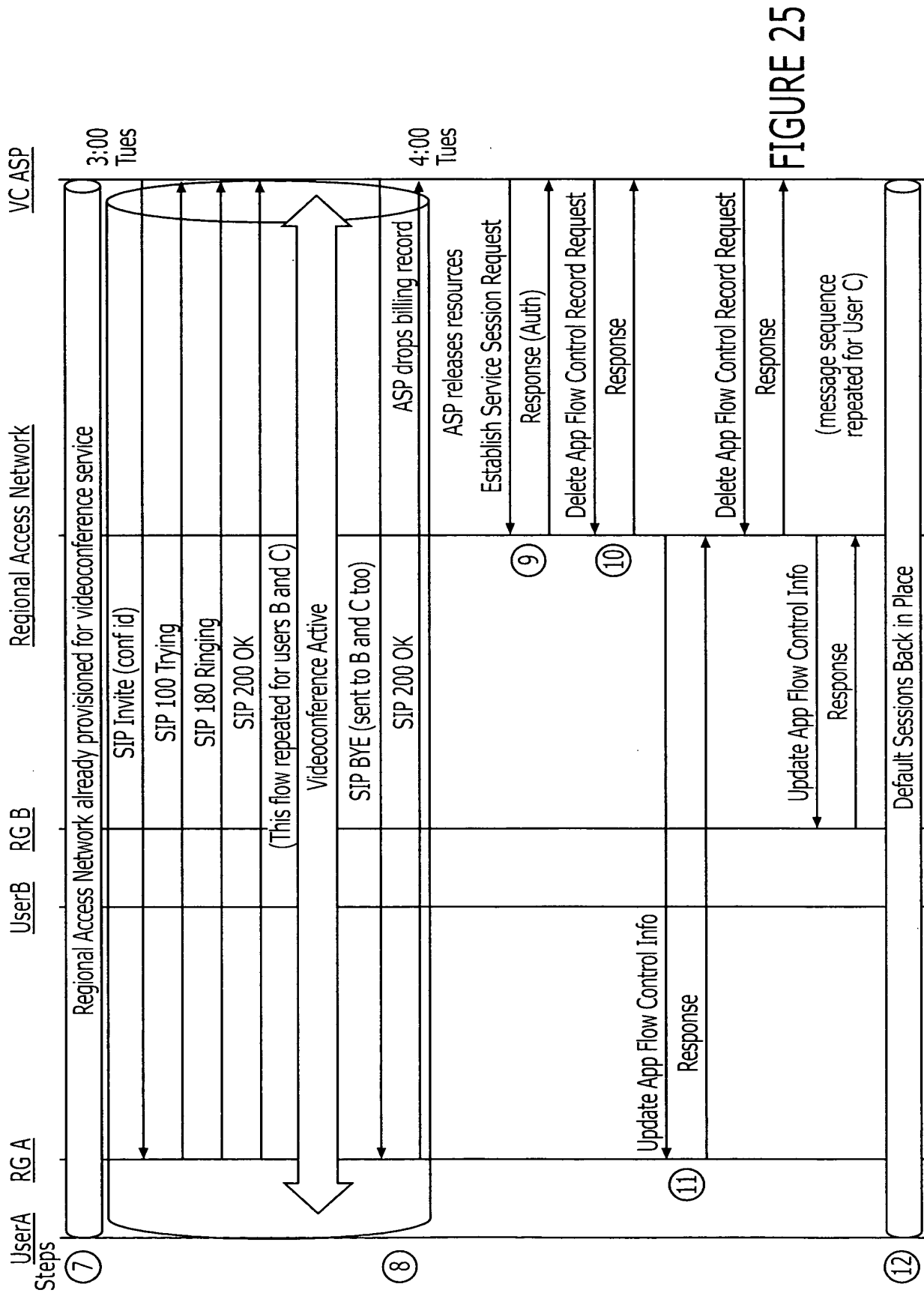
FIGURE 22B



Note: all data traffic goes through the MCU

FIGURE 23





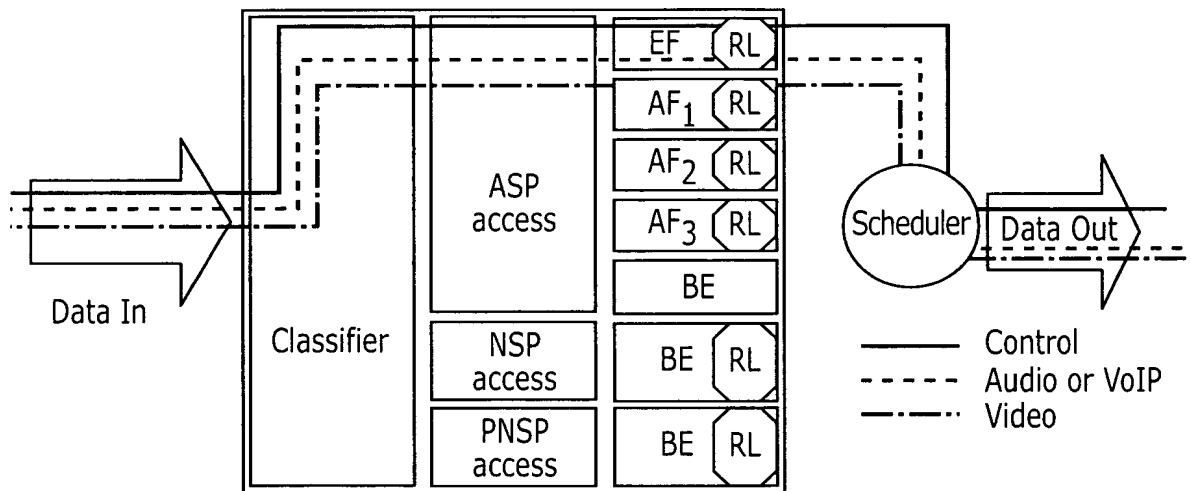


FIGURE 26

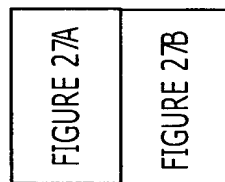
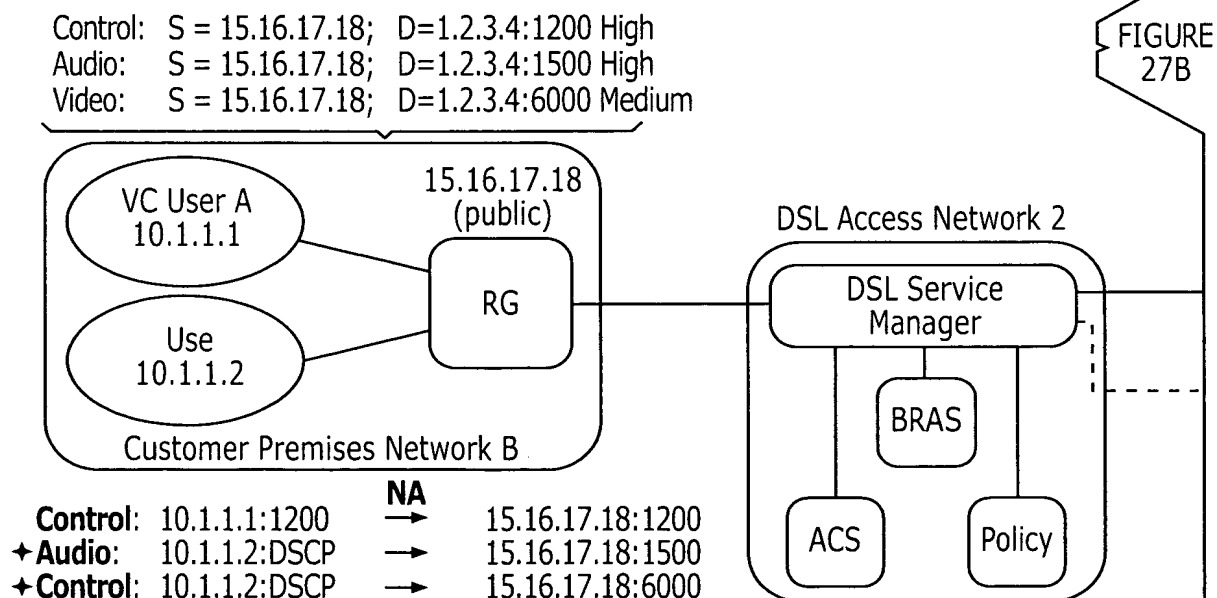
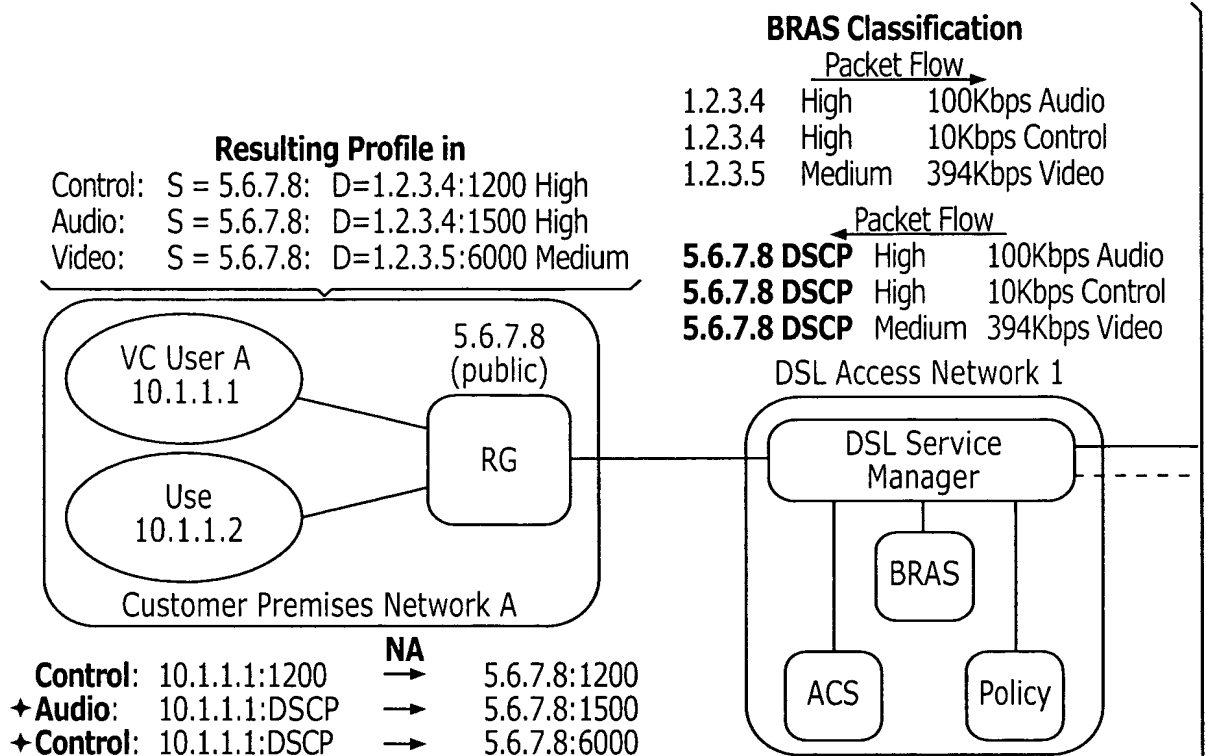
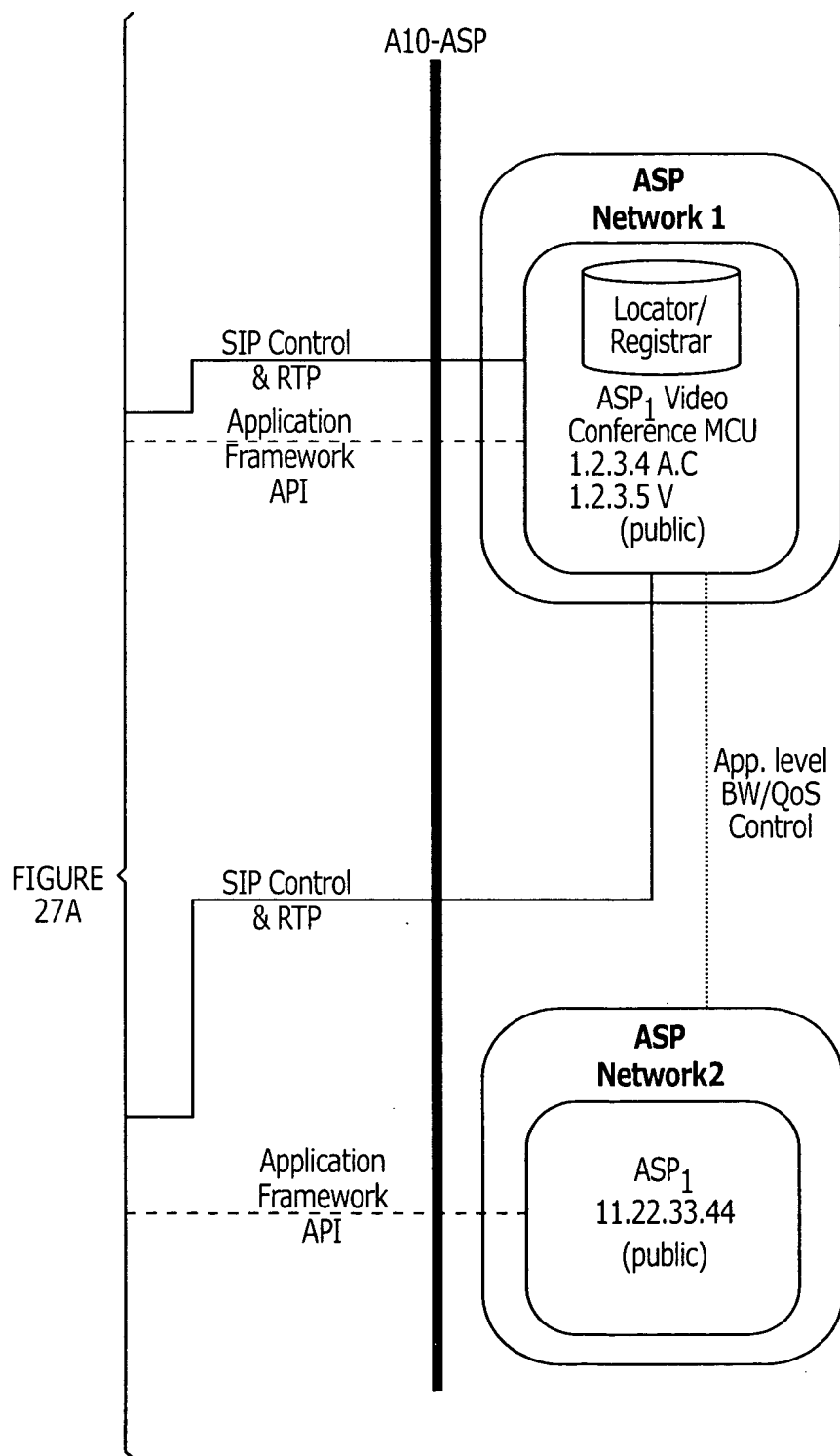


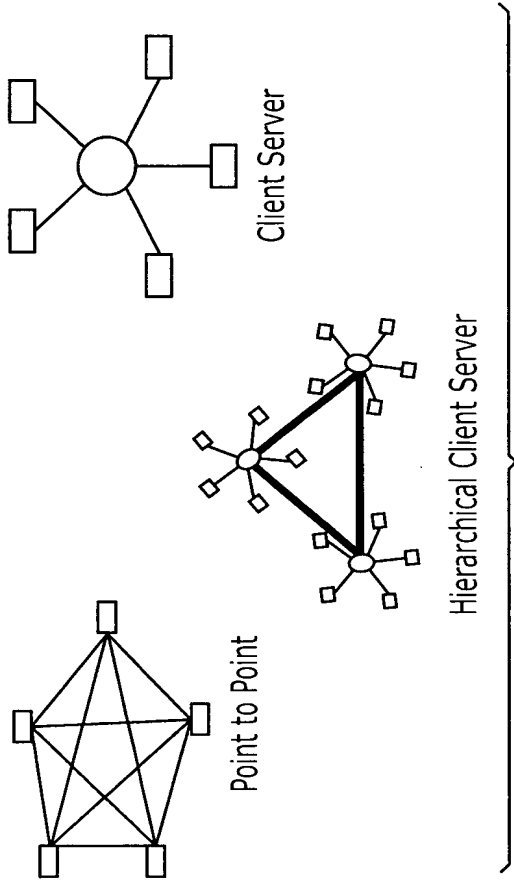
FIGURE 27



- ✦ These flows are set up dynamically at the VC client and the DSCP are assigned for the audio and the video streams. The ALG/NAT maps the 10.X.X.X ports to the corresponding IP address and ports for audio and video specified in the ACS profile based on the DSCP set by the VC client. This ensures that the RG, BRAS, and ASP videoconference MCU maintain consistent port information with regard to the various flows.

FIGURE 27A





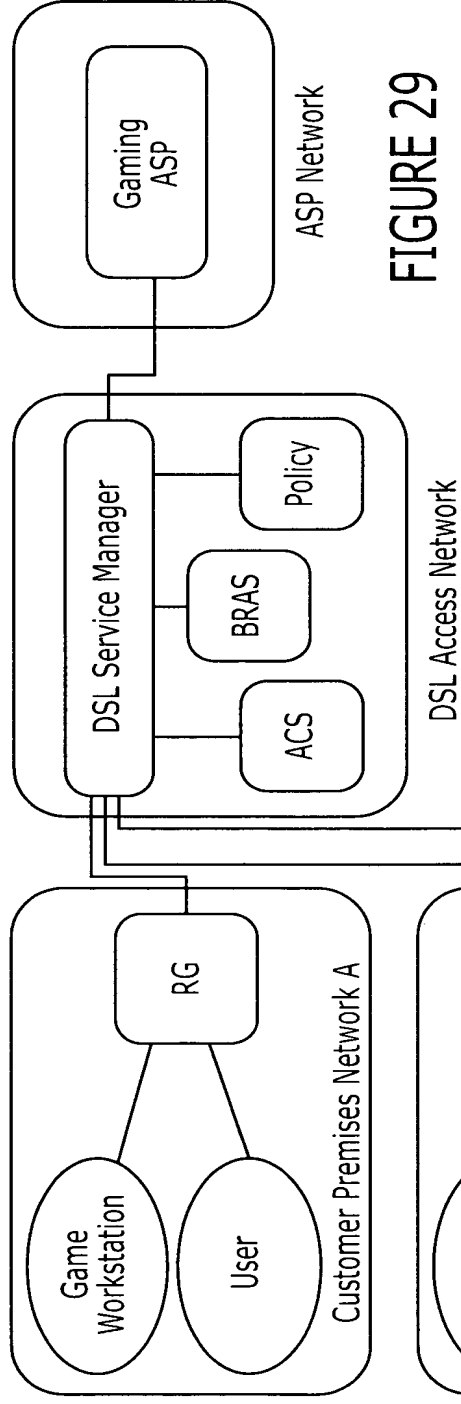


FIGURE 29

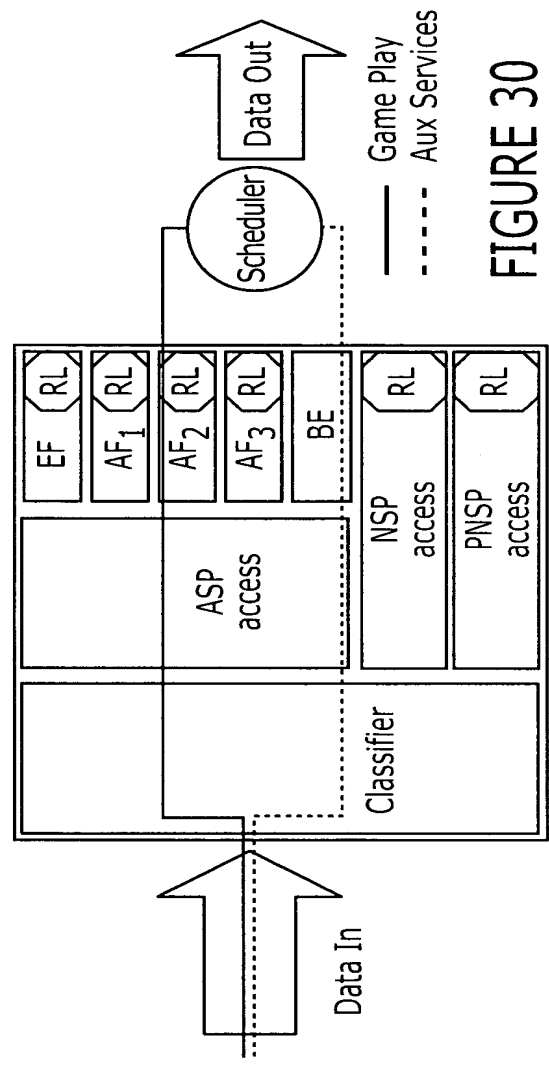


FIGURE 30

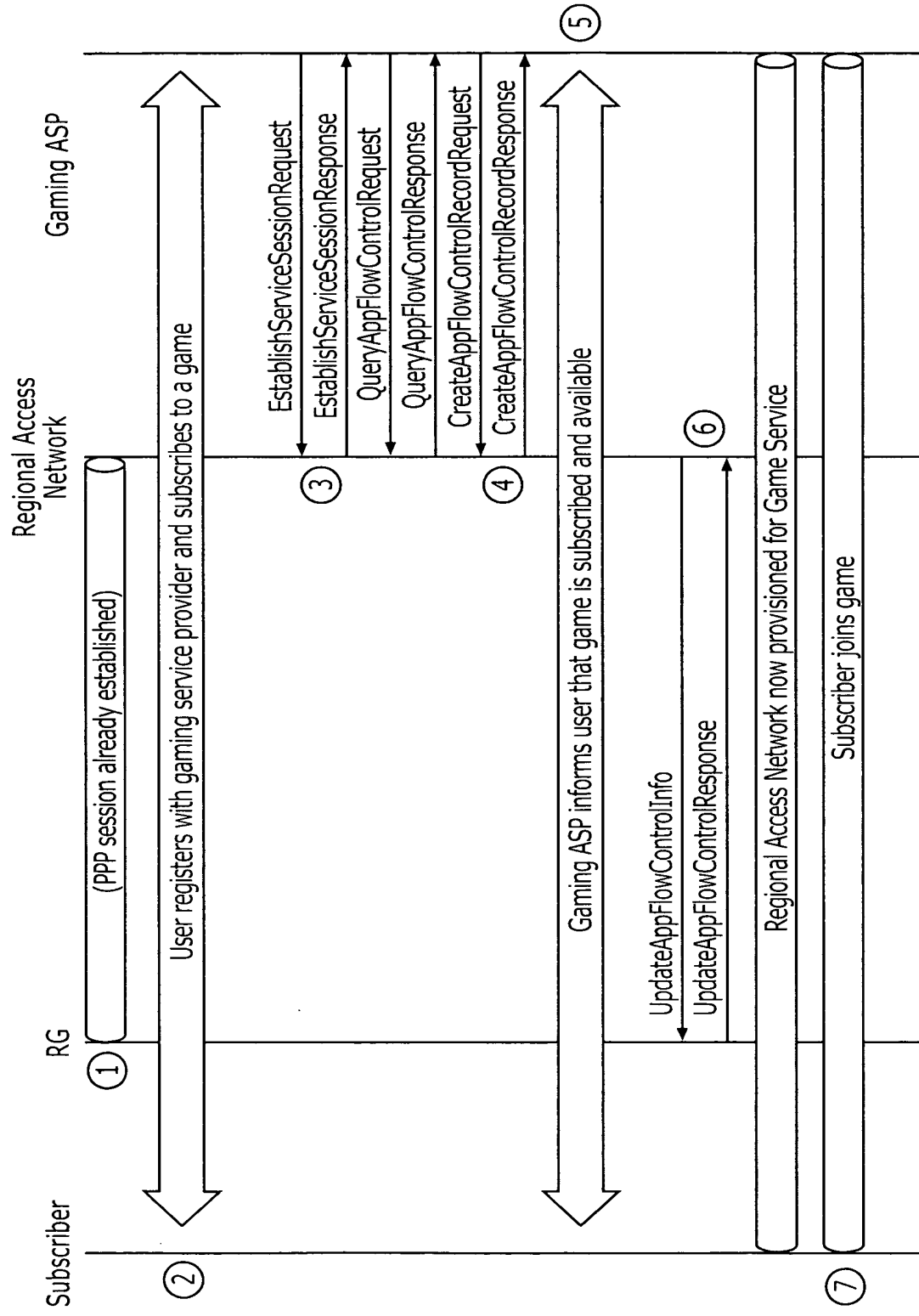


FIGURE 31

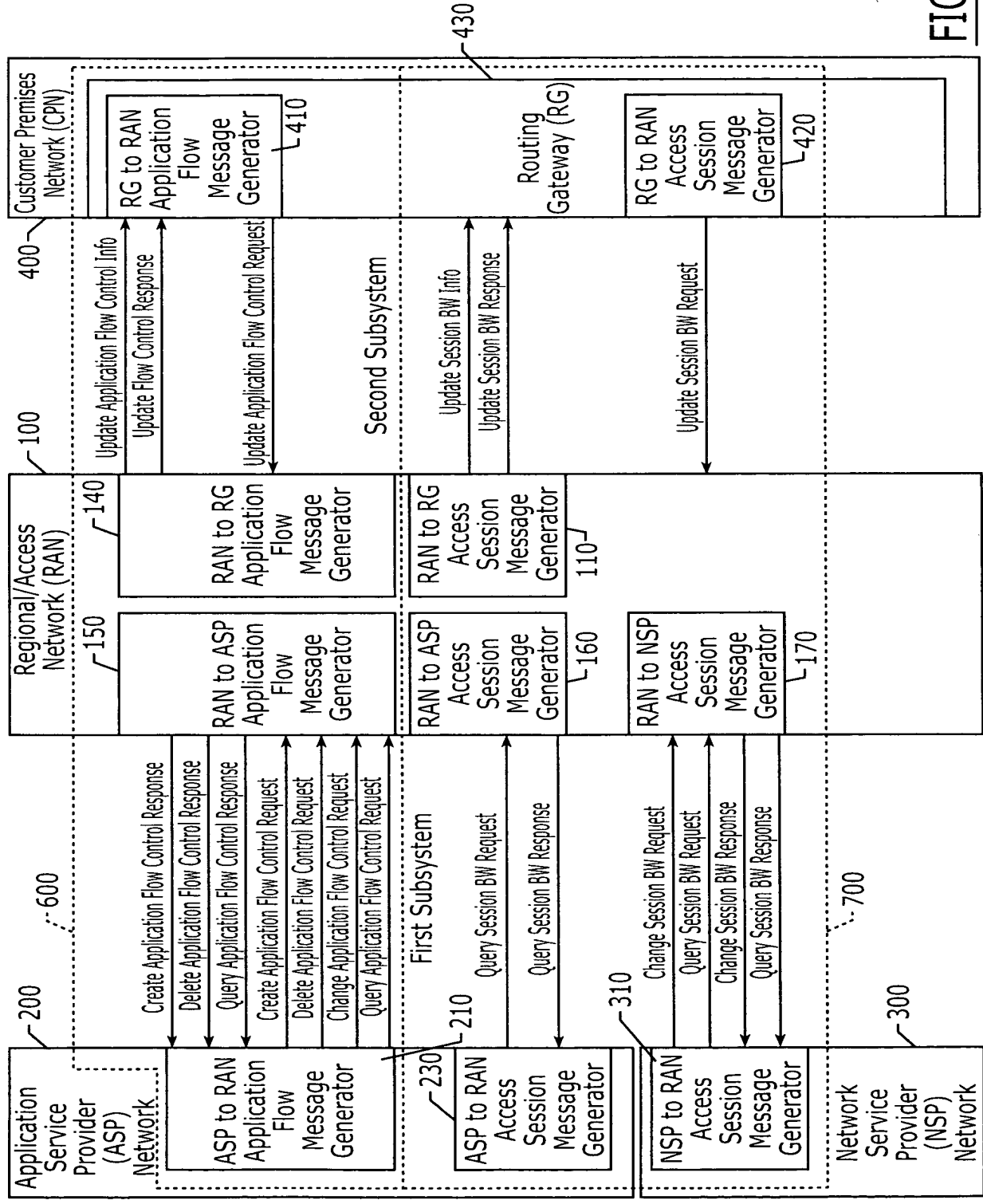


FIG. 32A

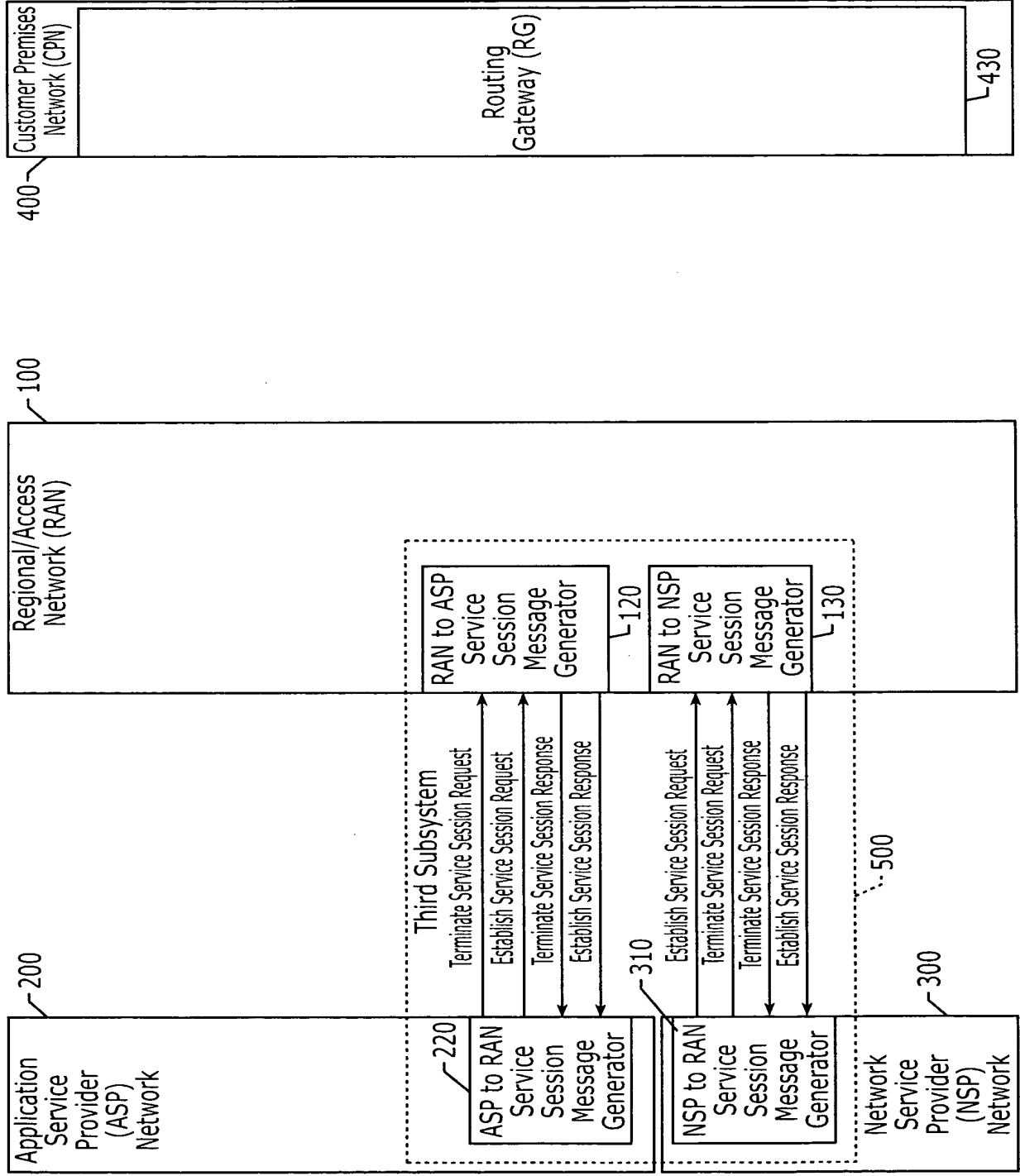


FIG. 32B

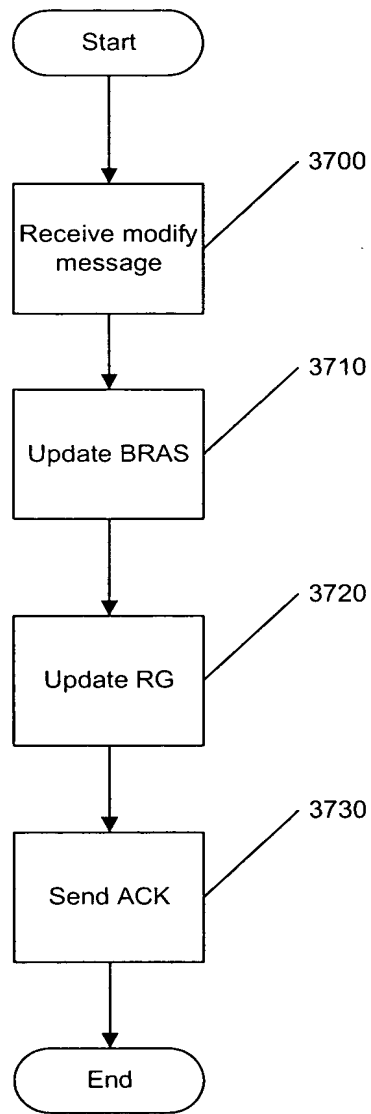


Figure 33